

PxEdit 4.0

Files

Installation files

Crucial installation files

- 32/64-bit applications
 - PxEdit.exe
 - PxEdit_40.paq
 - core functions and code package
 - Dyalog170rt_unicode.dll
 - PxEdit64.exe
 - PxEdit64_40.paq
 - Dyalog170_64rt_Unicode.dll
- PxEdit_main_40.ini
 - system settings
 - Documents\PxEdit_main_40e_ini.txt file contains the settings commented in English

Other installation files

- Documents\PxEdit_en.rtf laconic help file (in English)
- Documents\PxFile_en.rtf px-file format description (- " -)
- PxJob.exe, PxJob64.exe batch application
- PxRain_40.paq, PxRain64_40.paq graphics package
- XDF_40.ini CoSSI/XML settings (not compulsory)
- PxEdit.bmp startup picture (splash screen)
- Zip.exe, Unzip.exe *Info-Zip* files for archive handling
- Documents\PxJob_40.rtf detailed PxJob documentation
- Languages\PxEdit_lng_en_40.ini English language text strings
- Tutorials\ introduction and tutorials in English
- + extra language files, etc.

At startup

- The application loads itself:
- `pxedit_main_40.ini` is parsed
 - e.g. location of the personal ini file
- Personal configuration file is parsed
 - if the 4.0 ini file is not found, PxEdit tries to read the 3.3 ini file
 - some interface checking (px file existence, **Excel**, environmental settings, ...)
- Language files are parsed (if found)
- The user interface is created
 - check for another PxEdit session
 - record the log-in information in the log file
 - remove the splash screen

Configuration files

Main settings: PxEdit_main_40.ini

- Administrative/organisational settings, resides in the startup directory
- Default settings for the new user
- Usually created once and seldom changed
 - if it is not found, PxEdit will start with default settings
- There may be several different PxEdit installations and setups in the organisation
- The file `Documents\PxEdit_main_40e_ini.txt` contains accurate descriptions of the available settings
- Usually the value 1 means that the value is set, 0 that it is not
- The default values are shown in **bold**

Main settings: [Language] /1

`add_language_code={ 0 | 1 }`

- whether the language code will be added to the structural table header after the title cell or not

`big5_conversion={ 0 | 1 }`

- whether the BIG5 conversion is available or not
- N.B. BIG5 (or more precisely `codepage-950`) is mainly used in Taiwan, Hong Kong and Macao

Main settings: [Language] /2

`bypass_baseLanguage={0 | 1}` [*Settings/File saving/Ignore base language*]

- whether the missing text-type keywords will be copied from the base language or not when saving the table

`bypass_codepage={0 | 1}` [*Settings/Character conversion/Ignore coding*]

- determines how a px file with *CODEPAGE* coding is converted
- the default value 0 uses the valid given conversion code (such as `iso-8859-15`), otherwise the file will be converted with the default Windows ANSI coding
- N.B. if the px file is recognised to be in Unicode, these settings are not used

Main settings: [Language] /3

default_language

- the default interface language code for the new user
 - if this setting is not found, PxEdit will use the defined **system** language
- the available languages depend on the available language files

dos_coding={ 0 | 1 } [*Settings/Character conversion/DOS coding*]

- determines how a px file without *CHARSET* setting is converted
- the default value 0 converts the file as if it had `CHARSET="ANSI"` set, otherwise the file will be converted as DOS coded

Main settings: [Language] /4

`set_codepage={ 0 | 1 | 2 }`

[*Settings/Character conversion/
WinANSI coding & ISO-8859 coding*]

- will the empty *CODEPAGE* keyword be set according to the main language as WinANSI coding (1) or ISO-8859 coding (2)
- the default is none (0)

`system_language_coding={ 0 | 1 }`

[*Settings/Character conversion/
System language coding*]

- determines how the language strings are converted
- the default value 0 converts all the strings based on the main language of the table if it exists, otherwise the system language is used
- does not affect Unicode files

Main settings: [Fonts]

`default_font=Arial`

`txt_font=Arial` [*Settings/Font*]

`sys_font=Arial` [*Settings/Font*]

- default, text and system fonts, respectively

`default_size=16` [*Settings/Font*]

- font size settings

`htm_charset`

- default character set for html output (default: `utf-8`)

Main settings: [Files]

`most_recently_used=25`

- the number of file names stored in the personal ini file as default

`last_nn`

`last_px_nn`

`lastcsv_nn`

`lasttxt_nn`

`lastxls_nn`

- the names of the recently used files are stored in the personal ini file

Main settings: [System] /1

- The System settings are meant for organisation wide usage, and they are thus **not** copied into the personal ini file

`pxedit_url_fi=www.stat.fi/tup/pcaxis/lataus_tyokalut.html`

`pxedit_url_en=www.stat.fi/tup/pcaxis/lataus_tyokalut_en.html`

`pxedit_url_sv=www.stat.fi/tup/pcaxis/lataus_tyokalut_sv.html`

`pcaxis_url=www.scb.se/pc-axis`

`pxforum_url=http://groups.google.com/group/pcaxis`

- the homepages for PxEdit (in three languages), PcAxis and the discussion forum

Main settings: [System] /2

`pxweb_version={2003|2005|2007|2008|2013}`

- the PxWeb version being used
- possible input values are 2003, 2005, 2007, 2008 and 2013
- affects the format of the keywords *DESCRIPTION* and *TITLE*, too

`version_warning_file`

- the file name or web link shown the first time a user starts a new version
- may be a text file (txt), a RichText file (rtf), a HTML file (htm, html) or a web link (http://...)

`message_file`

- the file name or link shown when a user starts PxEdit
- may be a text file, a RichText file, a HTML file or a web link

Main settings: [System] /3

`ini_directory`

- directory used for users' personal configuration files
- every PxEdit user should have read and write access
- the file names in the form `username.ini` (otherwise `pxedit_40.ini`)

`ini_default`

- the configuration file which replaces the user's corresponding personal settings

`log_directory`

- directory for logging user actions (also error files will be placed here)
- the user must have read and write access
- log files will be in the form `pxedit_yyyy-mm.log`

Main settings: [System] /4

`default_user_level={1|2|3}`

- the default user level for new users: basic (1), advanced (2) or expert (3)

`check_valuelength_100={0|1}`

- should PxEdit warn if any value text is longer than 100 characters

`check_title_semicolons={0|1}`

- should PxEdit warn if any caption keyword contains semicolons

`keys_check={0|1}`

- are the tables pre-checked for a sparse matrix save

Main settings: [System] /5

`excel_notex={0|1}`

- if set, Excel comments will be moved to *NOTEX*, *VALUENOTEX* or *CELLNOTEX* keywords (instead of *NOTE* keywords)

`ISO_date={0|1}`

- will the dates be presented and saved in ISO format

`convert_dashes={0|1}`

- will the different dash characters (e.g. em dash and soft hyphen) be converted to single dash

`edit_cells={0|1}`

- the value 0 prevents the user from editing the data table values

Main settings: [System] /6

`list_keyword`

- defines the limited value list for specified keyword
- the prefix may be either `list_` or `listedit_` (allows both input field and selection list by double clicking the field)
- the supported table-specific keywords are
 - *AXIS-VERSION* (i.e. `list_AXIS-VERSION`), *DATABASE*, *DOMAIN*, *INFOFILE*, *MAP*, *MATRIX*, *PX-SERVER*, *SOURCE*, *UNITS* and *VARIABLE-TYPE*

`hint_keyword`

- description shown in the *Keywords* Tab for the specified keyword
- if the keyword is both table and variable-specific, the variable-specific description text must be given in format `hint_keyword()` (e.g. `hint_NOTE` and `hint_NOTE()`)

Main settings: [System] /7

listedit_SUBJECT_AREA

listedit_SUBJECT_CODE

- either list_ or listedit_
- lists work synchronously
- semicolon-separated list items have both code and area information separated with '='
- the *SUBJECT-CODE* list is not actually needed, it will be created using the corresponding *SUBJECT-AREA* list
- example:
`listedit_SUBJECT-AREA=Agriculture, Forestry and Fishery=MAA;Construction=RAK;...`

Main settings: [System] /8

`title_dynamic={0|1}`

- whether the *TITLE* keyword will be editable and static or write-protected and dynamic (resembling the px behaviour)

`title_variables={0|1}`

- whether variables will be added to the table title when pressing the **Title** button in the *Keywords* Tab or not (depends on `title_dynamic`)

`read_TITLE`

- the keyword(s) the table title will be copied to
- value may be `CONTENTS` or `DESCRIPTION` or `CONTENTS, DESCRIPTION`

`read_TITLEfirstword`

- the keyword(s) the first word of the structural file header is read
- possible values: `CONTENTS`, `DESCRIPTION` or `MATRIX`

Main settings: [System] /9

`keyword_table=name, type(, format)`

`keyword_variable`

`keyword_value`

- **own** keyword definitions
- *type:* text, numeric, date **or** list
- *format:* multi, *length* or (*list of values*)
- **example:**

`keyword_table=Footnote, text, multi`

`keyword_table=Birthday, date`

`keyword_table=Gender, list(woman, man)`

`keyword_table=Information, text, 256`

`keyword_value=Age, numeric`

Main settings: [System] /10

`mandatory_keywords`

- keywords that are considered mandatory in addition to the px standard

`hide_keyword_table`

`hide_keyword_variable`

`hide_keyword_value`

`hide_keyword_cell`

- keywords that are hidden from the user
- if there is a keyword value, the keyword is normally shown
- example:
`hide_keyword_table=KEYS,CONFIDENTIAL,COPYRIGHT`

Main settings: [System] /11

`ascii_conversion_type={0|1|2}`

- national character set conversion mode (e.g. in file name conversions)
- options: by letter (0: äöüš > aoush), of one-letter (1: äöüš > aous) or of German style (2: äöüš > aeoeuesch)

`ascii_filenames={0|1}`

- warn if file names have characters other than a-z, A-Z, 0-9, - and underscore character _

`unicode_replace_char=_`

- character used when converting to WinANSI for those Unicode characters that cannot be converted

`read_entity_reference={0|1}`

- are the html references (of format &#...; or &#x...;) converted to the corresponding Unicode characters when reading px or text files

Main settings: [System] /12

`timeval_2014={0|1}`

- if `pxweb_version` is 2013, the *TIMEVAL* keyword has to be formatted for the new PxWeb
- the possible values are 1 (long format with frequency codes) and 0 (old behaviour)

`domain_in_lowercase={0|1}`

- automatically convert *DOMAIN* contents to lowercase

Main settings: [System] /13

`datanotecells`

- comma separated list of the text strings that may be used with *DATANOTECCELL* settings
- strings should not include spaces or other special characters used in px files (such as quotes)
- leading or trailing spaces are allowed
- the list is needed for reading structural tables when the *DATANOTECCELL* strings are given with the corresponding figures
- strings may be enclosed with quotes

`datanote_parentheses={0|1}`

- are the cells enclosed with parentheses, brackets, curly or angle brackets marked with corresponding *DATANOTECCELL* setting

Main settings: [System] /14

`separator_attribute=|`

`separator_cellnote=!`

`separator_datanote=#`

- cell related metadata can be printed in connection with cell data, using the defined separator characters when reading a structural table
- the separators may be set to any permitted character
 - they should not be the same
 - they should not be field separator characters
- strings containing special characters (such as spaces, commas or separators) should be enclosed in quotes

`separator_variable=/'`

- the separator character or string to be used in variable combining for creating new value texts and codes

Main settings: [System] /15

`join_exact_match={0|1}`

- is the *Exact match* -switch in the *Join* window set as default

`join_monolingual={0|1}`

- is the *Do not make a multilingual table* -switch in the *Join* window set as default

`convert_to_xml={xdf|cals|keys}`

- the xml format to be used with the *Edit/Convert to XML* selection

Main settings: [System] /16

`sql_database`

- the name of the database used within SQL macro files
- if set, PxEdit will show corresponding PxSQL functions in the interface menus

`sql_baseowner=.`

- the *databaseowner* syntax string that is used in the SQL database
- the default is two dots (.), but for example *MySQL* needs this to be set as one dot (.)

`sql_bulksave={0|1}`

- whether the SQL bulk saving is in use (1) or not

Main settings: [System] /17

`sql_datestamp=Y-M-D h:m:00`

- date and timestamp format for used SQL database
- the format consists of characters `YMD` (year, month and day), characters `hm` (hour and minute) and other characters which are in the template

`sql_endline`

- character used at the end of the SQL statements
- the default is empty, but some installations (e.g. *MySQL*) may need for example a semicolon (;)

`skip_decimal_checking={0 | 1}`

- normally PxEdit tries to simplify the decimal related keywords (0)
- this behaviour may be skipped (1), but some of the possible decimal errors may not be detected

Main settings: [System] /18

`skip_multiple_open={0|1}`

- whether PxEdit warns if the user tries to open multiple sessions (0) or not

`remove_default_settings={0|1}`

- whether the default keyword expressions are to be removed from the table metadata
- the following keywords with value `NO` would be removed: *AUTOPEN*, *COPYRIGHT*, *DAYADJ*, *DESCRIPTIONDEFAULT*, *DOUBLECOLUMN* and *SEASADJ*, as well as `YES` for *AGGREGALLOWED*

`remove_keywords`

- a comma-separated list of the keywords that will be removed from the table (e.g. non-used or obsolete keywords)
- use with caution!

Main settings: [Misc] /1

`user_level={1 | 2 | 3}` [*Settings/User level*]

- the current user level: basic (1), advanced (2) or expert (3)

`all_headers={0 | 1}` [*Settings/Variable headers*]

- whether all (1) or hierarchical headers are shown in the table

`text_headers={0 | 1 | 2}` [*Settings/Variable headers*]

- value header setting: either texts (1), codes (0) or both (2)

`window_title={0 | 1 | 2}` [*Settings/Window titles*]

- whether the window titles are shown as *TITLE* keyword (0), *DESCRIPTION* keyword (1) or file name (2)

`column_widths={0 | 1}` [*Settings/Column widths*]

- are the table columns automatically adjusted

Main settings: [Misc] /2

`unicode_check={0|1}` [*Settings/File reading/Check for Unicode*]

- whether to check the possible Unicode coding when opening a px file when there is no Unicode header included and no *CODEPAGE* value set

`unicode_saving={0|1}` [*Settings/File saving/Save in Unicode*]

- is the Unicode option the first in the saving alternatives

`unicode_select={0|1}`

- is the Unicode format the default for the Meta part window

`user_log={0|1}`

- whether a user-specific error and warning log is in use (1) or not
- the user log file is in the same directory as the personal ini file
- if there is `ini_directory` setting, the name will be `username_yyyy-mm.log`, otherwise `pxedit_yyyy-mm.log`

Main settings: [Misc] /3

`cellcomments={0|1}` [*Settings/Excel/Cellnotes*]

- are the Excel cell comments copied as px keywords and vice versa

`footnotes={0|1}` [*Settings/Structural table/Footnotes*]

- are the footnotes included in the Excel output

`keyword_block={0|1}` [*Settings/Structural table/Keyword block*]

- are the keywords added in the structural file output

`show_notex={0|1}` [*Settings/File reading/Mandatory footnotes*]

- are the mandatory footnotes (*NOTEX*, *VALUENOTEX* or *CELLNOTEX*) shown in a separate window

`colour_codes={0|1}` [*Settings/Colour codes*]

- use background colours in the table fields

Main settings: [Misc] /4

`fill_item=..` [*Settings/Fill item*]

- the default *Fill Item*

`dash_replace=..` [*Settings/File reading/Replace dash*]

- value used to replace a dash in the input file or Excel table

`keys_fill={0 | 1}` [*Settings/File reading/Sparse matrix fill*]

- will the current *Fill Item* be used when decompressing sparse matrices (opposing the standard px behaviour)

`anchor_input={0 | 1}` [*Settings/Anchor input*]

- do the *Keyword* popup edit boxes remember their previous position

`hide_valueless_keywords={0 | 1}`

- hide the non-mandatory empty keywords

Main settings: [Misc] /5

`file_warnsize=10`

- the trigger size when opening a px file
- values below 1024 are considered given in MB
- if the size exceeds this size, the opening may be cancelled in the read window

`htm_warnsize=1024 128`

- warning table limit (rows × columns) for HTML output

`table_warnsize=50`

- warning trigger size (number of figures) when closing a table
- values below 1024 are considered given in MB

`xml_warnsize=1024 128`

- warning table limit (rows × columns) for XML output

Main settings: [Misc] /6

`datavalue_warnlimit=32`

- the warning limit exponent of huge data values

`filename_length=50`

- the warning file name length

`filename_in_lowercase={0 | 1}` [*Settings/File saving/
Lowercase filenames*]

- are the output file names converted to lowercase

`file_timestamp={0 | 1 | 2}` [*Settings/File saving/
Keep/Set timestamp*]

- either change the file update timestamp when saving (0), keep the old one (1), or set according to the *LAST-UPDATED* keyword (2)

Main settings: [Misc] /7

`cals_decimal_separator={ . | , }` [*Settings/XML/Cals*]

- the decimal separator for xml/cals output

`cals_thousand_separator={ 0 | 1 | 2 | 3 }` [*Settings/XML/Cals*]

- the thousand separator for xml/cals output: either none (0), space (1), comma (or period, depends on decimal separator) (2) or quote (3)

`cals_adjust_decimals={ 0 | 1 }` [*Settings/XML/Cals/Decimal precision*]

- whether the column decimals are to be set manually before saving xml/cals output (1) or not (0)

`separate_codes={ 0 | 1 }` [*Settings/Structural table/Join codes*]

- whether the value texts and codes are separated in text file output (1) or not (0)

Main settings: [Misc] /8

`adjust_decimals={0 | 1}`

[*Settings/Structural table/*
Decimal precision]

- format the output files according to *DECIMALS* (0) or *SHOWDECIMALS* and *PRECISION* keywords (1)
- does not affect px output, though

`allow_duplicates={0 | 1}`

- may the user use and save duplicated value texts or codes

`use_dotcodesum={0 | 1}`

[*Settings/Dot code sum*]

- use the dot code sum value in calculations

Main settings: [Misc] /9

warn_own_lists={0|1}

- does PxEdit warn when the values differ from the own value lists

join_metacopy={0|1|2}

- the default setting for copying the metadata in table joining: all metadata (2), only the missing metadata (1) or just the necessary metadata (0)

sql_saving={0|1|2|3}

[*Settings*/PxSQL]

- the preferred PxSQL saving format: meta part only (1), data part only (2), both meta and data part (0) or data part in csv format (3)

rain_save_coloured={0|1}

- are the charts saved in colours (1) or using shades of grey (0)

Main settings: [Defaults]

CHARSET=ANSI

SOURCE[en]=Statistics Finland

COPYRIGHT=YES

...

- table-specific keyword settings
- used when the keyword fields are empty and the **Defaults** button is pressed in the *Keywords* Tab

hourminute=00:00

- additionally the update timestamp may be given as hh:mm
- if the value is set as 25:00, the timestamps will not contain hour and minute part (missing them is then not regarded as an error)

Main settings: [Constants]

1=€/FIM=5.94573

2=€/BEF=40.3399

3=€/DEM=1.95583

4=€/ESP=166.386

5=€/FRF=6.55957

...

- constant values used in the *Calculator* input fields
- the format:
consecutive integer=Name=numeric value

Main settings: [Dot_codes]

dot1=.

dot2=..

dot3=...

dot4=....

dot5=.....

dot6=.....

dotsum=.....

dotnil=-

- the replacements for the standard dot codes
- will be accepted as valid dot codes during table input
- the internal code will always stay intact
- the settings will be overridden by the corresponding *DATASYMBOL* keywords

Main settings: [XDF]

`first_name`

`surname`

`email`

- placeholders for personal CoSSI/XML settings
- organisational settings are stored in the `XDF_40.ini` file

Language settings: [Language_codes]

languages_main

- the most often needed language codes in comma-separated list
- the list may contain the language names, e.g.

languages_main=fi suomi,sv ruotsi,en englanti
works nicely in Statistics Finland

languages_usual

- list of the languages which are used every now and then

languages_occasional

languages_rare

- list of other, perhaps unused, languages
- these two groups need not be edited

Personal settings: PxEdit_40.ini

- For personalised settings
- Overrides the system settings
 - changed settings will be saved when closing the session
- The description of the other saved information can be found in the file `Documents\PxEdit_main_40e_ini.txt`
- The user may change the settings manually or delete the file (in which case the `ini_default` setting will be used)
- Located either in the Windows system directory or in the directory defined with the `ini_directory` setting
 - in the latter case, the file name will be `username.ini`

CoSSI/XML settings: xDF_40.ini

`first_name, surname, email, ...`

`languages=fi,sv,en`

- personal settings and the language codes in use

`fi_orcname=Tilastokeskus`

`fi_orgphone=+358-29-551 1000`

`fi_orgwww=www.tilastokeskus.fi`

`...`

- organisational settings

`doctype_xdf=-//COSSI//DTD STATINFO_XDF 1.0//EN`

`doctype_cals=-//COSSI//DTD STATINFO_CALS 1.0//EN`

`doctype_keys=-//COSSI//DTD STATINFO_KEYS 1.0//EN`

- the document types for all formats

Language files

Language files: PxEdit_lng_xx_40.ini

- Language texts for the PxEdit user interface
- The files should be located in the `Languages` directory
- File names are based on language codes
 - e.g. `pxedit_lng_sl_40.ini`

`language=English`

- the language name that will be in the *View/Language* menu

`foot_baseperiod=Base period`

`foot_contact=Contact`

...

- footnote headers (copied from the PcAxis settings files)

Language files: alphabet

alphabet=0123456789 (ÄÄÀÁÃ) (ääàáâã) Bb (ÇÇ) (çç) Dd (ÈÈÉÊË)
(èèéêë) FfGgHh (IÎÍÎÏ) (iîíîï) JjKkLlMm (ÑÑ) (ññ) (ÖÖÒÓÔ) (ööòóô)
PpQqRr (ŠŠ) (ššß) Tt (UÜÚÚÛ) (uüùúû) VvWwXx (ÝÝ) (ýýÿ) (ŽŽ) (žž)

- used for alphabetical sorting
- may be different in every language
 - e.g. Ä is treated differently in English, German or Finnish
- in the example above:
 - Ä and À come before a (and B, ..)
 - Ä comes before À
- NB: **space** always comes first

Language files: help

`helpfile=PxEdit_en_40.rtf`

- English PxEdit help file
- located in the `Documents` sub-directory

`infofile=PxFile_en_40.rtf`

- English px-file format help file
- located in the `Documents` sub-directory

`feedback=www.stat.fi/sivusto/palautelomake_en.html`

- PxEdit feedback site

Language files: language strings

```
main_menu_file=File
```

```
main_menu_file_new=New...>>Ctrl+N;create a new px table
```

...

- the language strings are denoted by *meta_key=string* pairs
- several files can be used for the same language when needed
 - the figures 0 to 9 can be used after the language code, e.g. when two separate versions are needed (Latin or Cyrillic for example)
- all language files should have the **same** meta keys, the order is not fixed

Language files: special notations

- The following special notation strings can be used:

;
separates a control name and its hint text

&
precedes a character to be underlined

indicates the shortcut **Alt**+*character*

|
separates lists

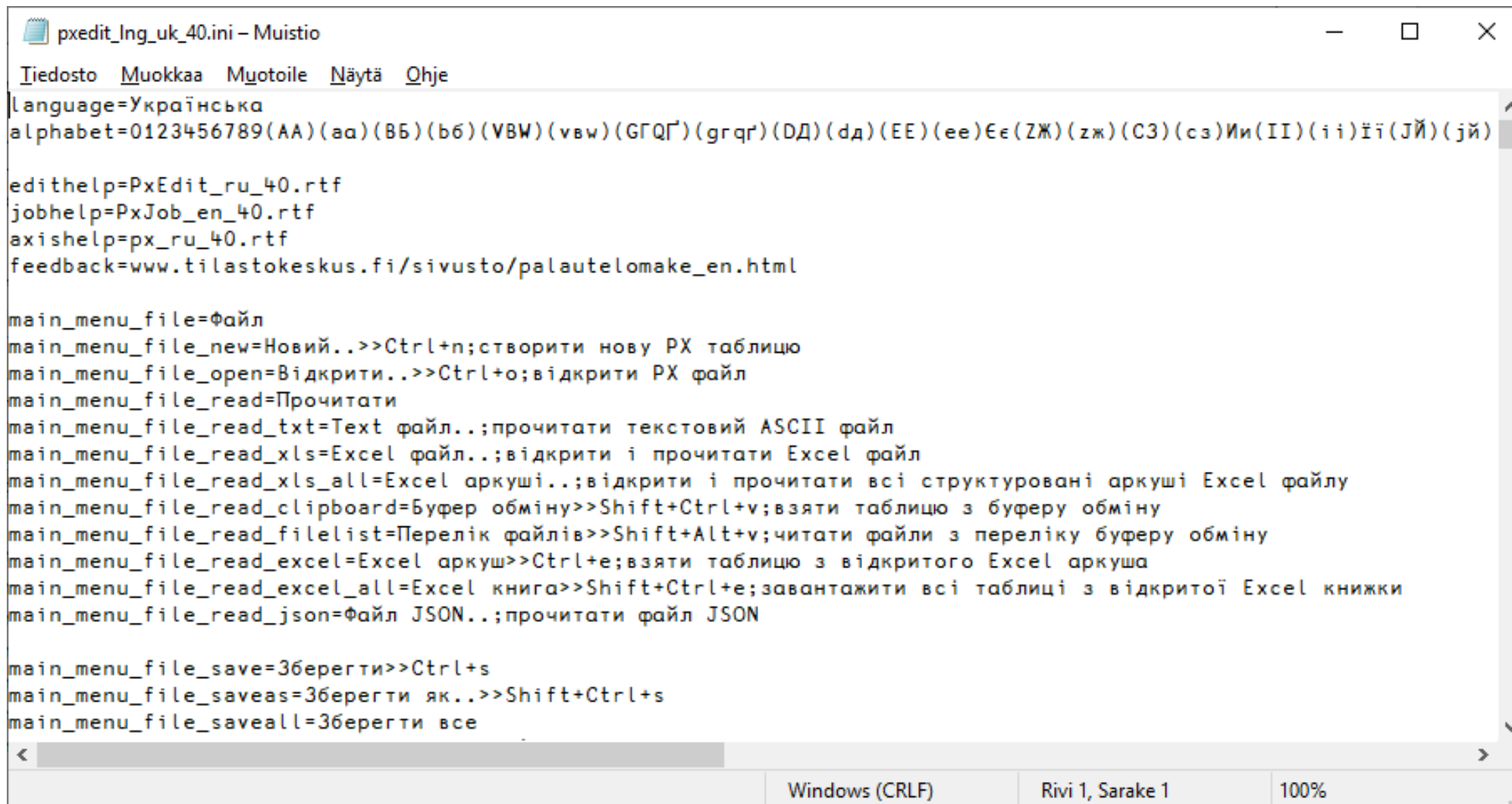
separates lines

>>
will be replaced with the tab character

<<
joins a line with the preceding line

%1, %2, . . . will be replaced with a parameter (file or table names, etc.)

Language file example



```
pxedit_lng_uk_40.ini - Muistio
Tiedosto Muokkaa Muotoile Näytä Ohje
language=Українська
alphabet=0123456789(AA)(aa)(BB)(bb)(VWW)(vww)(GGQΓ)(grqr)(DD)(dd)(EE)(ee)€€(ZЖ)(zж)(CЗ)(cз)Ии(II)(ii)Її(ЈЇ)(jй)

edithelp=PxEdit_ru_40.rtf
jobhelp=PxJob_en_40.rtf
axishelp=px_ru_40.rtf
feedback=www.tilastokeskus.fi/sivusto/palautelomake_en.html

main_menu_file=Файл
main_menu_file_new=Новий...>>Ctrl+n;створити нову PX таблицю
main_menu_file_open=Відкрити...>>Ctrl+o;відкрити PX файл
main_menu_file_read=Прочитати
main_menu_file_read_txt=Text файл...;прочитати текстовий ASCII файл
main_menu_file_read_xls=Excel файл...;відкрити і прочитати Excel файл
main_menu_file_read_xls_all=Excel аркуші...;відкрити і прочитати всі структуровані аркуші Excel файлу
main_menu_file_read_clipboard=Буфер обміну>>Shift+Ctrl+v;взяти таблицю з буферу обміну
main_menu_file_read_filelist=Перелік файлів>>Shift+Alt+v;читати файли з переліку буферу обміну
main_menu_file_read_excel=Excel аркуш>>Ctrl+e;взяти таблицю з відкритого Excel аркуша
main_menu_file_read_excel_all=Excel книга>>Shift+Ctrl+e;завантажити всі таблиці з відкритої Excel книжки
main_menu_file_read_json=Файл JSON...;прочитати файл JSON

main_menu_file_save=Зберегти>>Ctrl+s
main_menu_file_saveas=Зберегти як...>>Shift+Ctrl+s
main_menu_file_saveall=Зберегти все

Windows (CRLF) Rivi 1, Sarake 1 100%
```

Other files

Classification files (pxc)

- The file consists of records (lines) delimited by tabs
- The first line contains column titles
- The first column contains the codes (no title needed)
 - the following columns optionally contain the different versions
- Comment lines are allowed
 - they begin with a semicolon (;)

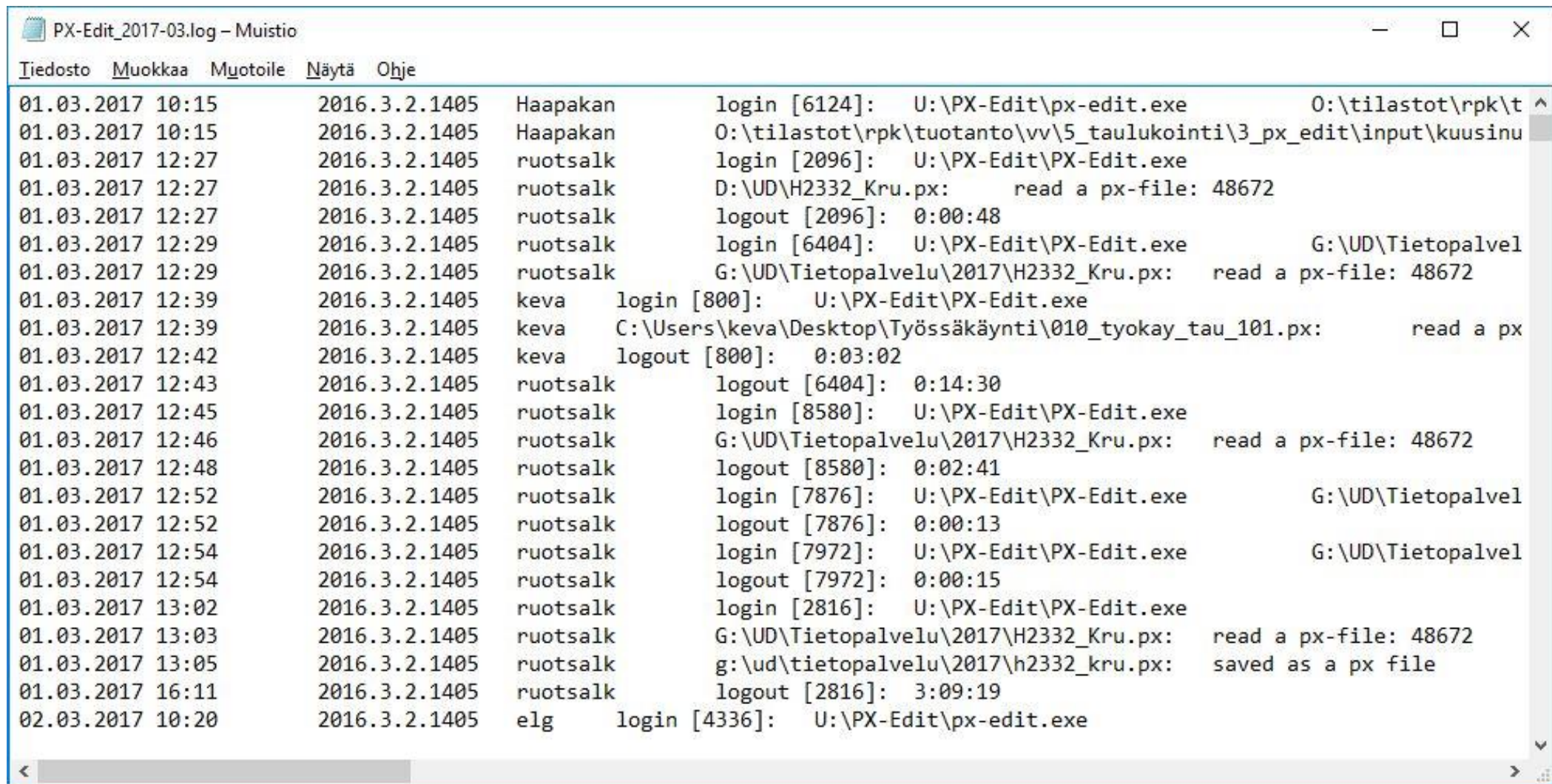
Classification file example

```
Syntymävaltio_ISO_3166_fi_sv_en.pxc - Muistio
Tiedosto Muokkaa Muotoile Näytä Ohje
;Päivitetty: 19.3.2013 Tekijä: Erja Ahokas
;Luokituskanta: Valtio_12_99 (koodit ja nimikkeet)
;Kuvaus: ISO-3166 lisäksi entisten valtioiden koodit esim. 810 entinen NL ja koodit 991, 997, 999 sekä
; maanosakoodit SSS=Syntymävaltiot yhteensä, ULK=Ulkomaat yhteensä, EUR=Eurooppa, E27=Eu-27 maat,
; EUM=Muu eurooppa, AFR=Afrikka, AME=Amerikka, AAS=Aasia, OSE=Oseania
; lajiteltava nimikkeen mukaiseen järjestykseen maanosittain eri kieliversioissa
; Maat sisennetty kolmella pisteellä
;Kieliversiot: suomi, ruotsi, englantia - maat suomenkielisessä aakkosjärjestyksessä
;Päivityksen syy: Lisätty mm. Etelä-Sudan, Sudan ja Entinen Sudan
Koodi Nimike (fi) Nimike (sv) Nimike (en)
004 ...Afghanistan ...Afghanistan ...Afghanistan
528 ...Alankomaat ...Nederländerna ...Netherlands
008 ...Albania ...Albanien ...Albania
012 ...Algeria ...Algeriet ...Algeria
016 ...Amerikan Samoa ...Amerikanska Samoa ...American Samoa
020 ...Andorra ...Andorra ...Andorra
024 ...Angola ...Angola ...Angola
660 ...Anguilla ...Anguilla ...Anguilla
010 ...Antarktis ...Antarktis ...Antarctica
028 ...Antigua ja Barbuda ...Antigua och Barbuda ...Antigua and Barbuda
784 ...Arabiemiirikunnat ...Förenade Arabemiraten ...United Arab Emirates
032 ...Argentiina ...Argentina ...Argentina
051 ...Armenia ...Armenien ...Armenia
```

Log file: PxEdit_YYYY-mm.log

- Most of the user actions are logged in the monthly log file
 - PxJob only logs the start and end of all individual jobs
- Saved log line elements are:
 - timestamp
 - version number
 - user name
 - operation code
 - login and logout include the individual handle in braces
 - logout shows the used time
 - file names and/or other information
 - warning and error messages
 - program bugs

Log file example

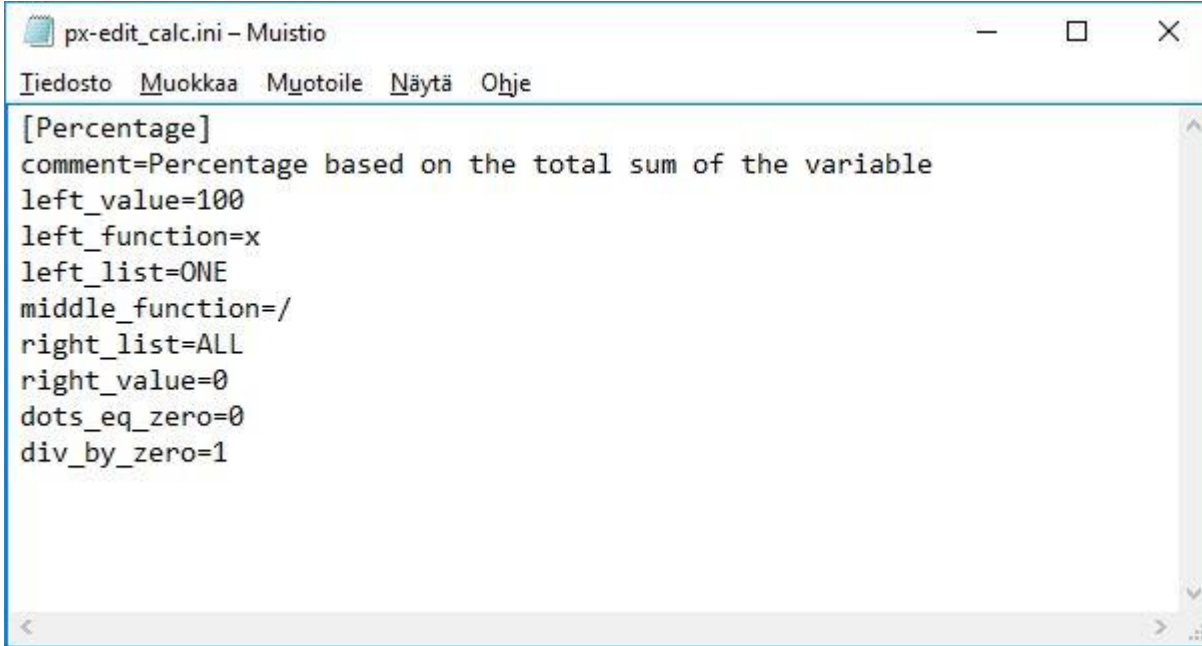


```
PX-Edit_2017-03.log - Muistio
Tiedosto Muokkaa Muotoile Näytä Ohje
01.03.2017 10:15 2016.3.2.1405 Haapakan login [6124]: U:\PX-Edit\px-edit.exe O:\tilastot\rpk\t ^
01.03.2017 10:15 2016.3.2.1405 Haapakan O:\tilastot\rpk\tuotanto\vv\5_taulukointi\3_px_edit\input\kuusinu
01.03.2017 12:27 2016.3.2.1405 ruotsalk login [2096]: U:\PX-Edit\PX-Edit.exe
01.03.2017 12:27 2016.3.2.1405 ruotsalk D:\UD\H2332_Kru.px: read a px-file: 48672
01.03.2017 12:27 2016.3.2.1405 ruotsalk logout [2096]: 0:00:48
01.03.2017 12:29 2016.3.2.1405 ruotsalk login [6404]: U:\PX-Edit\PX-Edit.exe G:\UD\Tietopalvel
01.03.2017 12:29 2016.3.2.1405 ruotsalk G:\UD\Tietopalvelu\2017\H2332_Kru.px: read a px-file: 48672
01.03.2017 12:39 2016.3.2.1405 keva login [800]: U:\PX-Edit\PX-Edit.exe
01.03.2017 12:39 2016.3.2.1405 keva C:\Users\keva\Desktop\Työssäkäynti\010_tyokay_tau_101.px: read a px
01.03.2017 12:42 2016.3.2.1405 keva logout [800]: 0:03:02
01.03.2017 12:43 2016.3.2.1405 ruotsalk logout [6404]: 0:14:30
01.03.2017 12:45 2016.3.2.1405 ruotsalk login [8580]: U:\PX-Edit\PX-Edit.exe
01.03.2017 12:46 2016.3.2.1405 ruotsalk G:\UD\Tietopalvelu\2017\H2332_Kru.px: read a px-file: 48672
01.03.2017 12:48 2016.3.2.1405 ruotsalk logout [8580]: 0:02:41
01.03.2017 12:52 2016.3.2.1405 ruotsalk login [7876]: U:\PX-Edit\PX-Edit.exe G:\UD\Tietopalvel
01.03.2017 12:52 2016.3.2.1405 ruotsalk logout [7876]: 0:00:13
01.03.2017 12:54 2016.3.2.1405 ruotsalk login [7972]: U:\PX-Edit\PX-Edit.exe G:\UD\Tietopalvel
01.03.2017 12:54 2016.3.2.1405 ruotsalk logout [7972]: 0:00:15
01.03.2017 13:02 2016.3.2.1405 ruotsalk login [2816]: U:\PX-Edit\PX-Edit.exe
01.03.2017 13:03 2016.3.2.1405 ruotsalk G:\UD\Tietopalvelu\2017\H2332_Kru.px: read a px-file: 48672
01.03.2017 13:05 2016.3.2.1405 ruotsalk g:\ud\tietopalvelu\2017\h2332_kru.px: saved as a px file
01.03.2017 16:11 2016.3.2.1405 ruotsalk logout [2816]: 3:09:19
02.03.2017 10:20 2016.3.2.1405 elg login [4336]: U:\PX-Edit\px-edit.exe
```

Formula file: PxEdit_calc.ini

- A normal ini file
 - formula names = section names
- Saved formula elements are:
 - constants
 - functions
 - aggregations
 - dot code behaviour and division
 - selections (all or any)

Formula file example

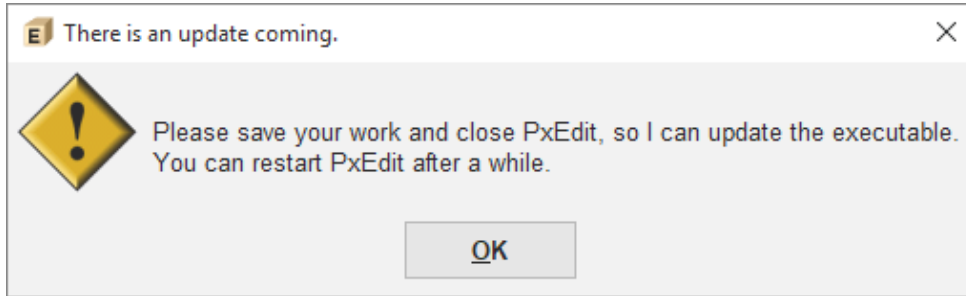


```
[Percentage]
comment=Percentage based on the total sum of the variable
left_value=100
left_function=x
left_list=ONE
middle_function=/
right_list=ALL
right_value=0
dots_eq_zero=0
div_by_zero=1
```

Application updates

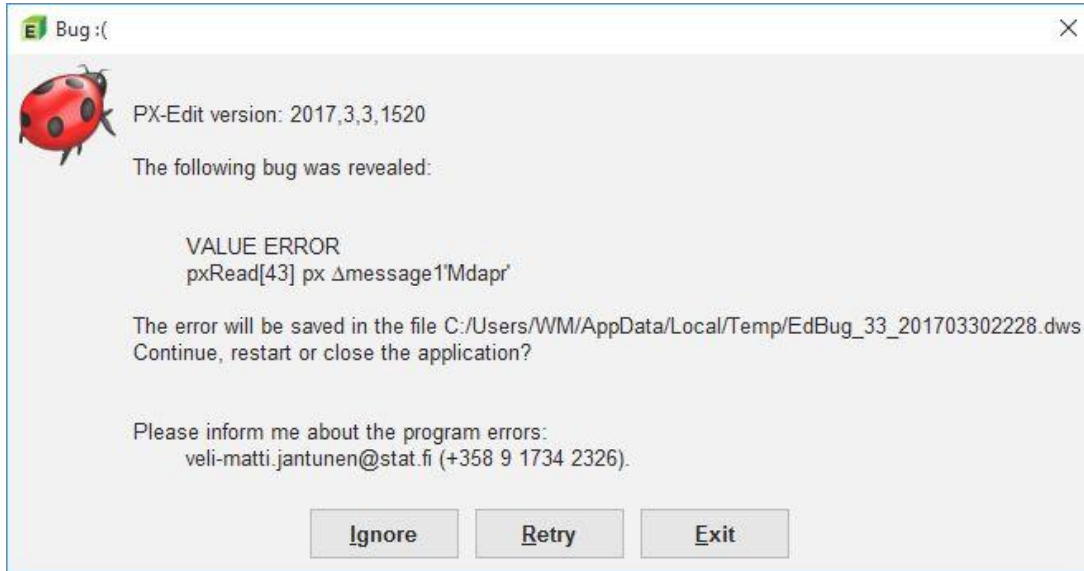
- The application code has been divided into **three** parts
 - **either the 32-bit version**
 - `PxEdit.exe` core + loader
 - `dyalog170rt_unicode.dll` interpreter
 - `PxEdit_40.paq` application package
 - **or the 64-bit version**
 - `PxEdit64.exe` core + loader
 - `dyalog170_64rt_unicode.dll` interpreter
 - `PxEdit64_40.paq` application package
- Replacing the `paq` file is enough if there is no need to replace the executable or dll
 - can be done when there users are logged in
 - other application files (e.g. language files) may also be replaced

Application updates



- Copying a new `PxEdit.exe` or `dyalog170rt_unicode.dll` (or the corresponding 64-bit files) is not possible if the users are keeping the application open
- PxEdit watches the system directory for the file `pxedit.update`
 - if this file exists, users are warned (within a minute) with this message
 - users will see the standard message if the file is empty, otherwise the text included will be shown
 - the message will pop up until the user logs off (or the file is removed)

Programming error: dump files (dws)



- This is **always** the programmer's fault ☹️
 - an error dump file will be saved in the log (or temp) directory as `EdBug40_timestamp.dws`
 - another error logging file may also exist: `Continue.dws`
- The **Ignore** button is meant only for saving work in process (if possible)
- Recommendation:
 - save with a **different** name,
 - close PxEdit,
 - **report** the bug (with the `dws` files)