

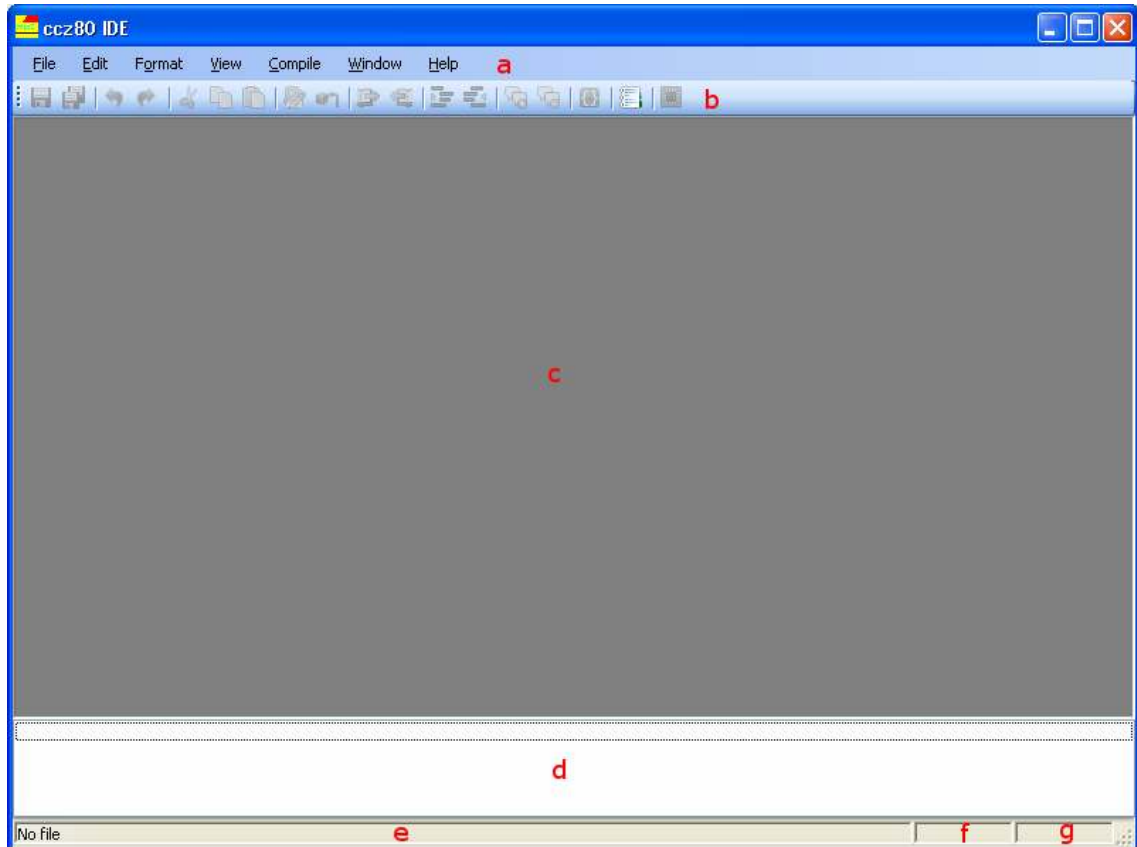
## ccz80 IDE version 2

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## *Environment description.*

The application ccz80 IDE is an integrated environment that lets you write and compile programs ccz80 language.

The screen looks as follows:



which displayed the following elements:

- a. **Main menu bar**, for all possible actions.
- b. **Toolbar buttons** to perform common actions more quickly.
- c. **Editing area**, where the windows appear with the contents of the various files that are edited.
- d. **Output** to display messages produced by the compiler and the matches found in the search for expressions. Clicking on a line that refers to a file and a location within it, move the cursor to that position.
- e. **Current file** of all open in the editing area.
- f. **State** of the file currently being edited, modified or unmodified.
- g. **Position** of the cursor in the file currently being edited, indicating line and position within the line.

## ***Features of the environment.***

### ***Contextual menu.***

Clicking the right mouse button anywhere on the application context menu will appear with the most common operations in the main menu to select them more quickly.

### ***Drag and drop files.***

If from the file browser or other application that allows you drag a file or files will automatically open them in the environment. You can not drag files onto the open document windows.

### ***Command line parameters.***

Running ccz80 IDE from the command line or in the definition of direct access, you can specify as parameters one or more files or templates with wildcards, to be loaded automatically at startup.

### ***File association.***

From the file browser can associate the file extension .ccz80, or any extension you want to use, to the ccz80 IDE application to allow the opening for a file with this extension is made in the environment ccz80 IDE.

### ***Regions.***

Within the code can be set to compact regions of text display. To do this you must write a line comment that begins with the text *// Region* to mark the beginning of a region, and another line as a comment that begins with the text *// EndRegion* to indicate the end of the region. After that the defined region may compress or expand whit the + and - icons that appear in the left margin.

Regions are automatically created for the declaration of assembly code with *asm* statement and the definition of functions with *function* statement.

### ***Signaling points.***

You can create signaling points (bookmarks) anywhere in the code by a comment line that begins with the text *// Bookmark*. To locate these items quickly signaling can be done through the menu options *Next bookmark* and *Previous bookmark* and with the option *Go to*, or their corresponding buttons.

## ***Description of the main menu options.***

### ***File menu.***

Allows file operations and exit the environment.

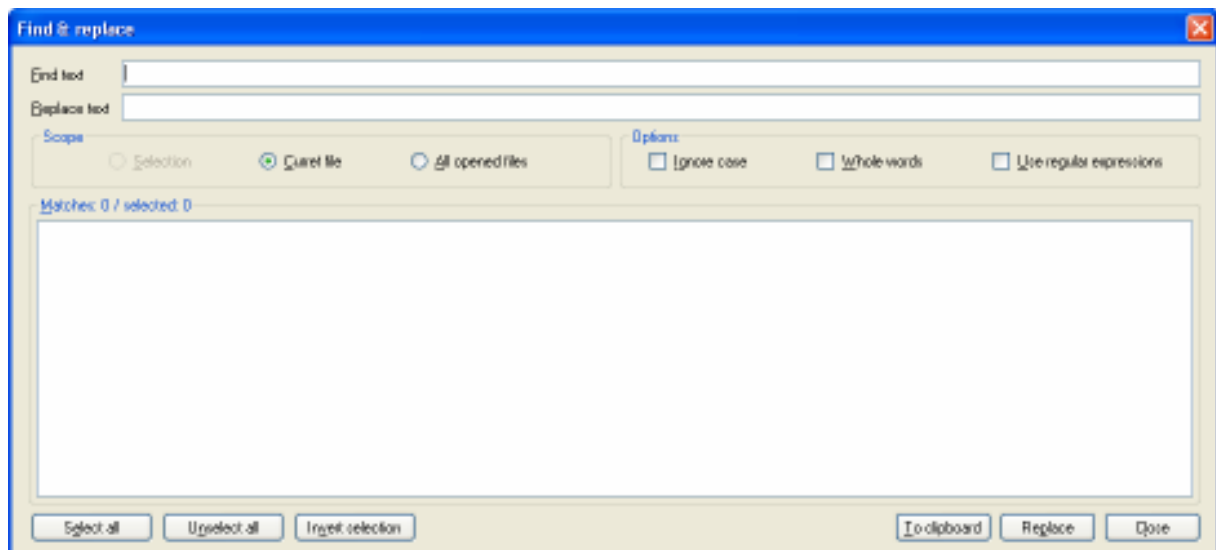
- **New:** creates a new window without text to write code.
- **Open:** to select one or more existing file and open in new windows.

- **Reopen:** reopen the current file from disk, discarding changes have been made and not recorded.
- **Save:** saves the current file to disk.
- **Save as:** save the current file to disk with a new name.
- **Save all:** save all open files in the editing area.
- **Close:** closes the current file.
- **Close all:** closes all files opened in the editing area.
- **Exit:** exit the integrated environment.

### **Edit menu.**

Allows for general changes to the text of the current file.

- **Undo:** undoes the last operation.
- **Redo:** redo the last operation undone with *Undo*.
- **Cut:** moves the selected text to the clipboard.
- **Copy** copies the selected text to the clipboard.
- **Paste:** inserts the text cursor there in the clipboard.
- **Delete:** removes the selected text.
- **Select block:** select the block delimited by braces where the cursor.
- **Select all:** selects all text.
- **Find & replace:** displays the following screen to search the text for expression and optionally replace it with another.

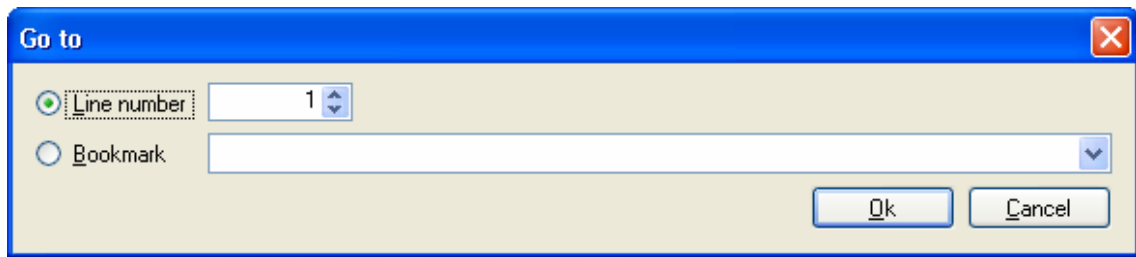


which displayed the following:

- **Find text:** expression to search for in the text. This expression is interpreted as a literal text or a regular expression as specified by regular expressions described in <http://msdn.microsoft.com/en-us/library/az24scfc.aspx> (Regular Expression

Language Elements), depending whether you have enabled the *Use regular expression* option.

- **Replace text:** speech sought to replace the pressing the Replace button. This expression is interpreted as a literal text or a regular expression according to specifications described in <http://msdn.microsoft.com/en-us/library/az24scfc.aspx> (Regular Expression Language Elements), depending on whether have enabled the *Use regular expression*.
  - **Scope:** Indicates the scope in which to make the search for the words entered in the Find text.
  - **Selection:** text search in the current file selected.
  - **Current file:** search the entire text of the current file.
  - **All open files:** search the entire text of all open files on the environment.
  - **Options:** other options for determining the search expression.
  - **Ignore case:** if the activity is located in the text but not case-sensitive match the expression.
  - **Whole words:** if you select only the text will be located where a complete word and not as part of a word longer.
  - **Use regular expressions:** if you activate the expression indicated in *Find text* and *Replace text* will be interpreted as a regular expression and not as a literal text, following the rules set out in <http://msdn.microsoft.com/en-us/library/az24scfc.aspx> (Regular Expression Language Elements).
  - **Matches:** show the occurrences of the words *Find text* in the text. In the occurrences that are marked by double-clicking its corresponding check box replacement will be made by expression of *Replace text* by pressing the *Replace* button. If you click on an appearance the cursor is placed on it in the window of the corresponding file.
  - **Select all:** check all occurrences.
  - **Unselect all:** uncheck all occurrences.
  - **Invert selection:** mark invests all occurrences.
  - **To clipboard:** copy to clipboard all lines marked on the hit list.
  - **Replace:** replace all occurrences marked on the hit list with the words entered in *Replace text*.
  - **Close:** closes the window and displays all selected occurrences in the output of the environment to allow them to click on the window and locate the file.
- **Go to:** display the following screen to go to a particular line of text or an established bookmark.



- **Sort:** sorts the selected rows or all lines of the file if no selection.
- **Insert bookmark:** inserted into the cursor position to mark a comment that serves to quickly locate this position in the text.
- **Next bookmark:** moves the cursor to comment next bookmark.
- **Previous bookmark:** moves the cursor to comment earlier bookmark.

### ***Format menu.***

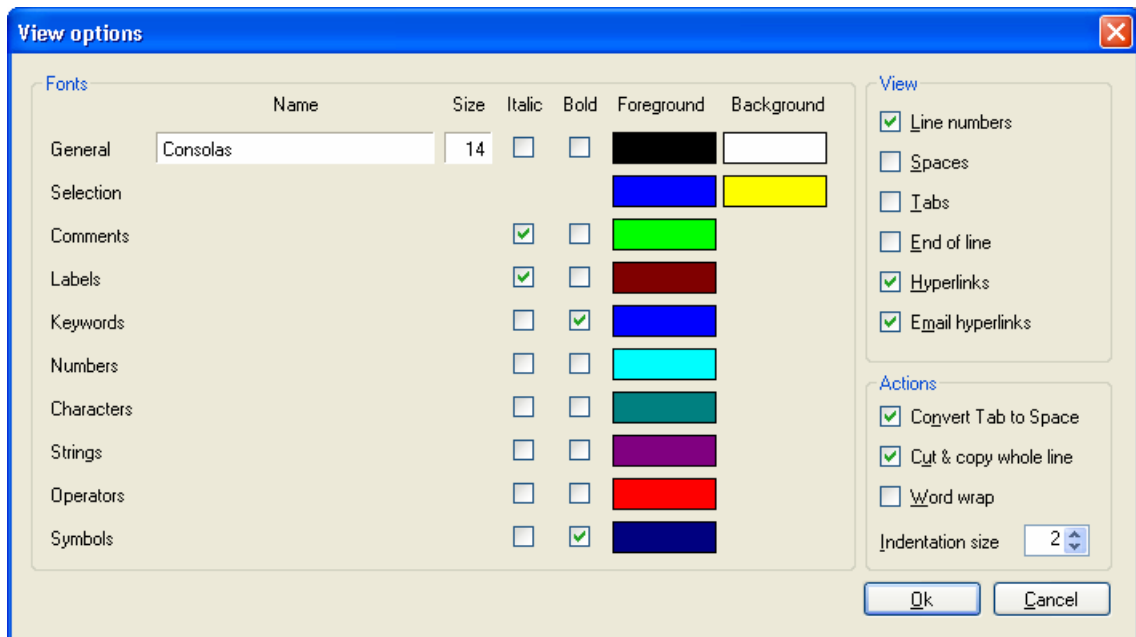
You may modify the format of the text of the current file.

- **Indent:** moves to the right level selected lines or the current line if no selection.
- **Unindent:** move one level to the left of the selected lines or the current line if no selection.
- **Comment:** comment the selected lines or the current line if no selection.
- **Uncomment:** uncomment selected lines or the current line if no selection.
- **Lowercase:** Converts to lowercase the text of the selected lines or the current line if no selection.
- **Uppercase:** convert to uppercase the text of the selected lines or the current line if no selection.
- **Formatting assembler:** assembler code format applies to selected lines or the current line if no selection. This format is required for each instruction within a block or asm function definition.
- **Convert tab to spaces,** convert tabs to spaces provided in the text of the selected lines or the current line if no selection.
- **Convert space to tab:** convert tabs to spaces corresponding to the text of the selected lines or the current line if no selection.
- **Trim Leading space:** remove the spaces at the end of the selected lines or the current line if no selection.

### ***View menu.***

Sets the way you view the text.

- **Options:** Displays the next screen to change text display settings:



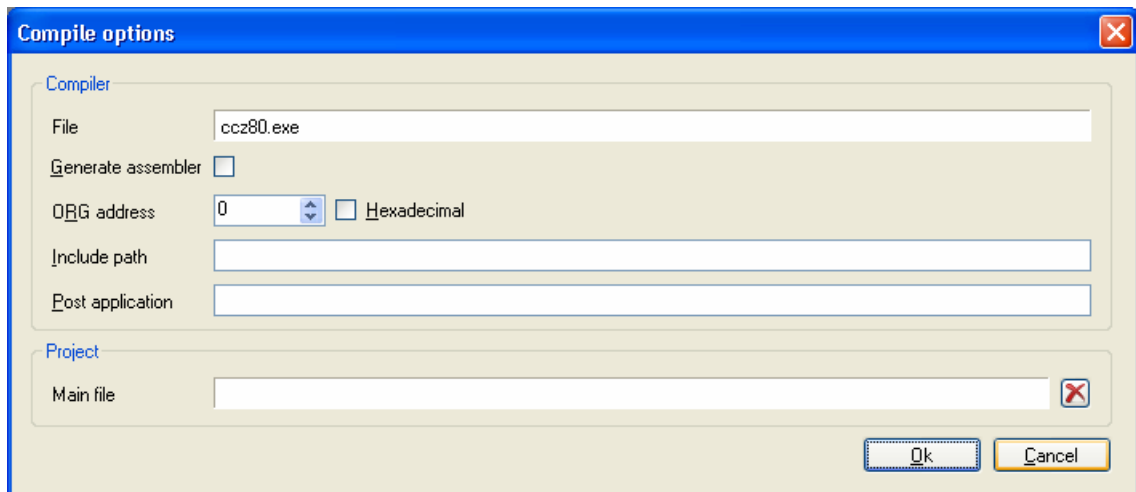
which displayed the following:

- **Fonts:** type, size, features (italics negrica), text color and background color for different kinds of elements that can appear in the text, general text, selected text, comments, tags, keywords, numbers, constants characters, string constants, operators and symbols.
- **View:** viewing options in the text, line numbers, marks space, tab marks, marks the end of the line highlighted web link highlighting links and email addresses.
- **Actions:** behavioral choices during editing of the text: conversion of the tabulation room, full line selection of the cut and copy when no selection, partition lines if they occupy more visible width and size of the indentation.

## Compile menu.

Perform operations related to the compilation of the written code.

- **Compile:** compile the file launches the current or specified file as main file in the compilation opcinones. Shows the result of the build in the departure area.
- **Options:** Displays the next screen to set the parameters for compilation.



which displayed the following:

- **File:** filename for your compiler ccz80, you can set pusando on the text box containing the name.
- **Generate assembler:** if enabled the compiler generates assembly code instead of binary code. Equivalent to the /asm when compiling from the command line.
- **ORG address:** Sets the initial direction of compilation. Equivalent to the /org if you compile from the command line.
- **Hexadecimal:** if active set if the value *ORG address* shown in hexadecimal, otherwise the value is shown in decimal.
- **Include path:** paths to the files specified in the code with the include statement, separated by a semicolon. Equivalent to the /include if you compile from the command line.
- **Post application:** application to run after compilation it is correct. Equivalent to the /post if you compile from the command line.
- **Main file:** main source file name with which you work. Clicking on the name text box allows you to specify a file that is used will always launch the compilation, whether that is open or not, or is the active file. The button with blade that came with this box deletes the value of the master file, thus launching the compilation is used as the source file that is currently active.

## Window menu.

Options for organizing your open windows in the environment.

- **Cascade:** cascade arranges open windows in the environment.
- **Tile horizontal:** horizontal tile organizes opened windows on the environment.
- **Tile Vertical:** vertically tile organizes open windows in the environment.
- **Arrange icons:** arrange icons minimizadas for windows environment.
- **Window list:** displays all open windows in the environment to select any of them.



## ***Help menu.***

Provides access to information about the program.

- **About:** displays the following screen to report on the environment. There you can click on the image and the various texts to link to the relevant website.

