Debugger

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Downloading Code::Blocks

codeblocks-20.03mingw-setup.exe



Windows XP / Vista / 7 / 8.x / 10:

File	Date	Download from
codeblocks-20.03-setup.exe	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03-setup-nonadmin.exe	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03-nosetup.zip	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03mingw-setup.exe	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03mingw-nosetup.zip	29 Mar 2020	FossHUB or Sourceforge.net

Installing Thesaurus

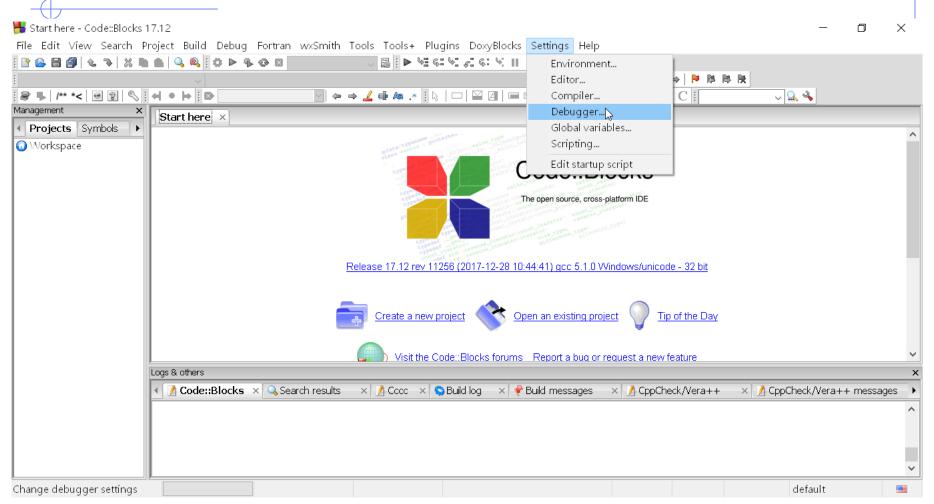
- SpellChecker: Thesaurus files 'C:\Program Files\CodeBlocks/share/codeblocks\Spell Checker\th_en_US.idx' not found!
 - Go to https://wiki.openoffice.org/wiki/Dictionarie
 s
 - Download Thesaurus: OpenOffice.orgMyThes

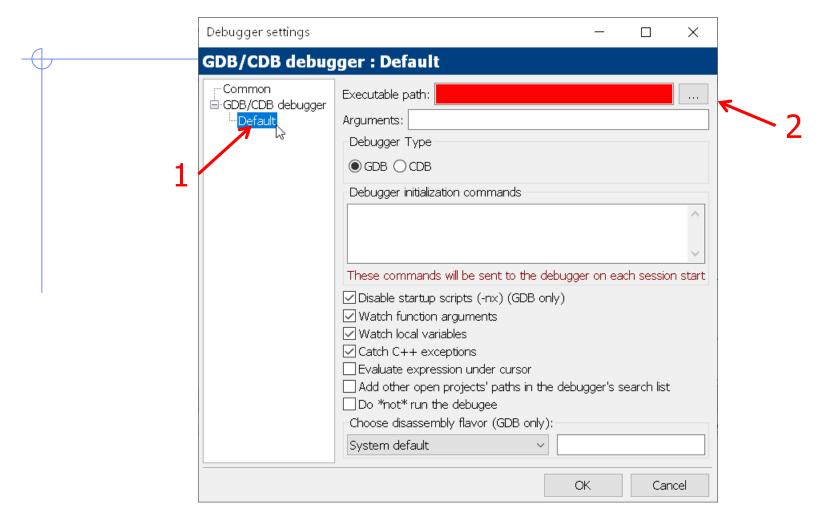
Tools for dictionary developers:

- Spellchecker/Thesaurus: Proofing Tool GUI & 2014-02-14.
- Spellchecker: Hunspell ...
- Hyphenator: Hyphen ②.
- Thesaurus: OpenOffice.org MyThes ₽.
- Grammar checker: LanguageTool ☑, After the Deadline ☑, CoGrOO ☑ and Lightproof ☑.

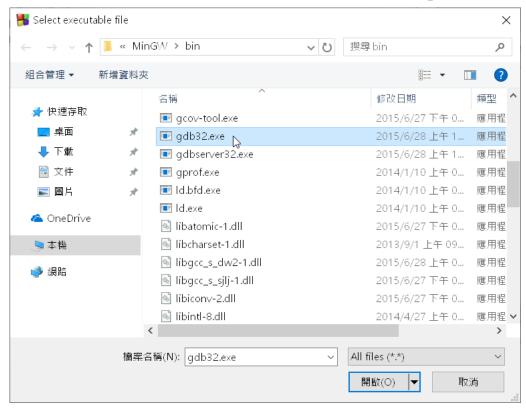
- Unzip the downloaded zip file
- Rename 'th_en_US_new.dat' to 'th_en_US.dat' and 'th_en_US_new.idx' to 'th_en_US.idx'
- Copy th_en_US.dat and th_en_US.idx to 'C:\Program
 Files\CodeBlocks/share/codeblocks\SpellCh ecker\'

Setting Up Debugger

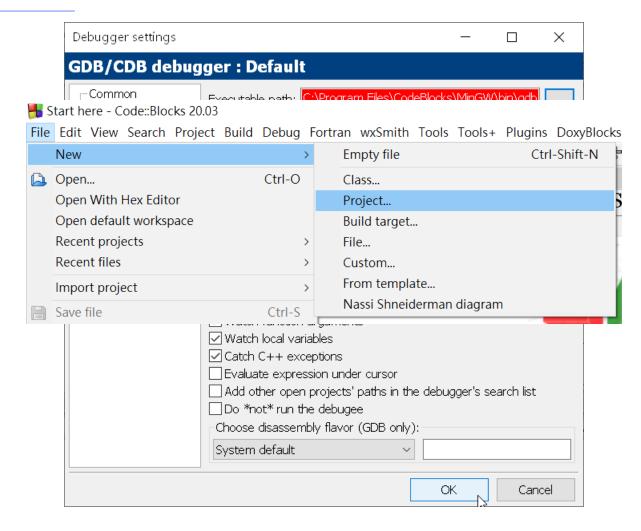


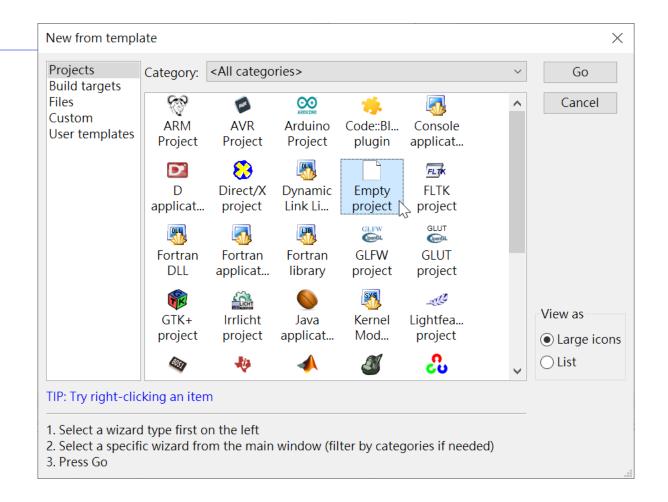


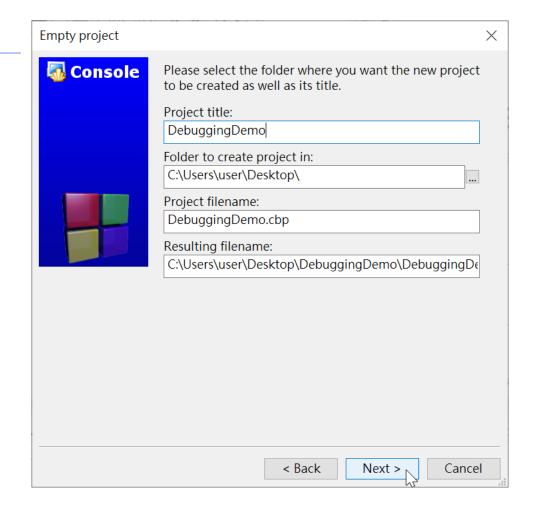
C:\Program Files\CodeBlocks\MinGW\bin\gdb32.exe

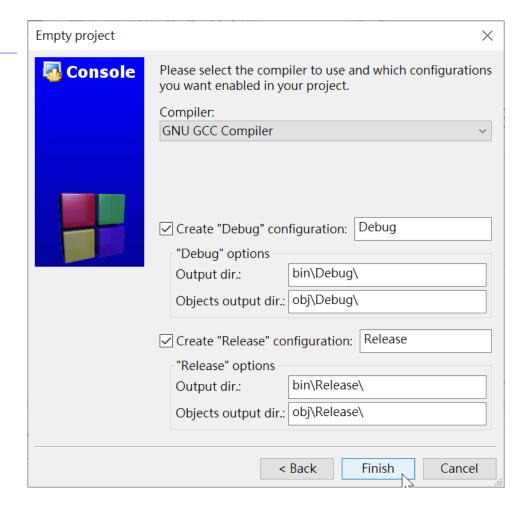


Create A Project

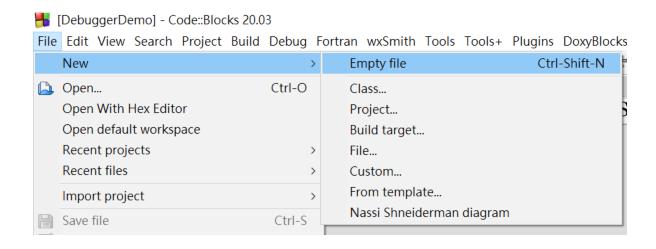


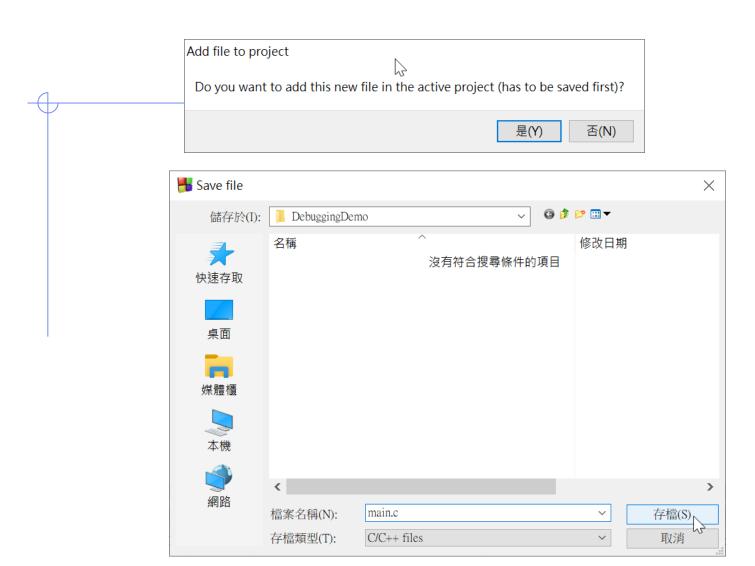


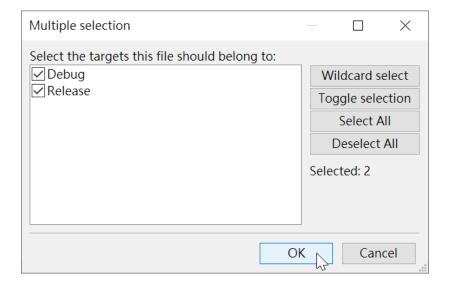




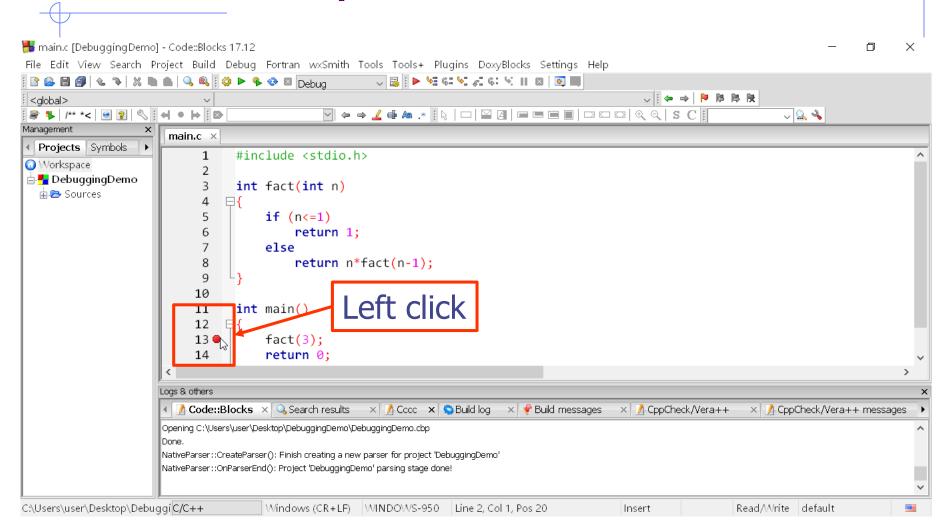
Create A Source File



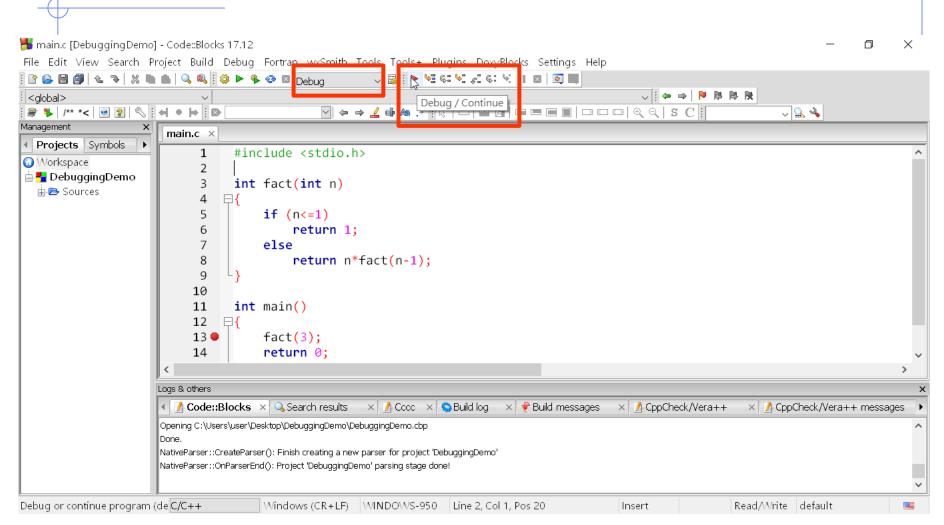


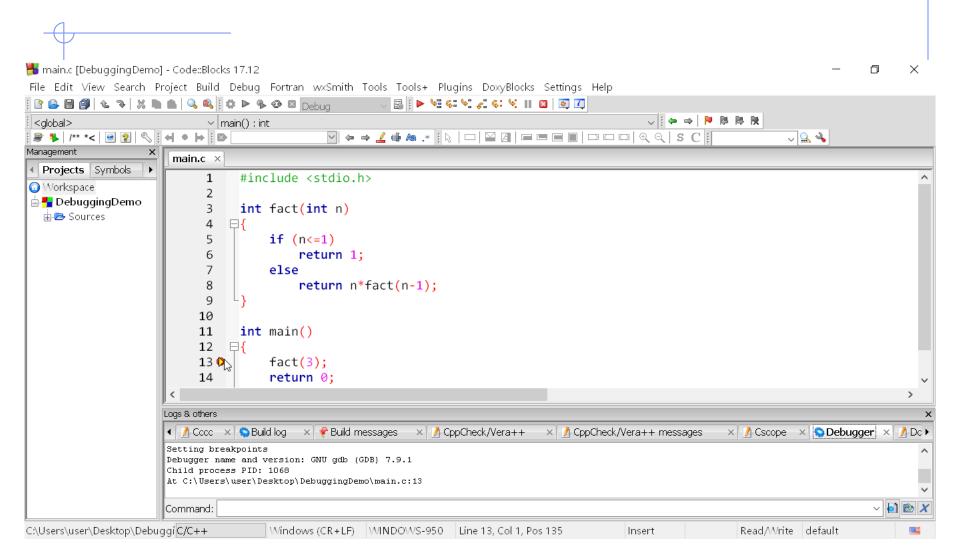


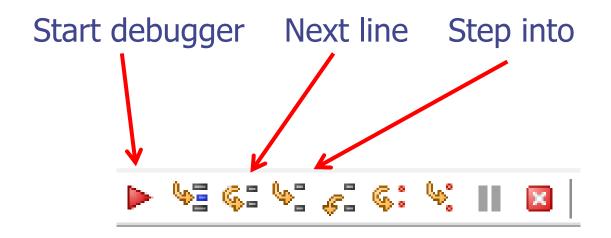
Add Breakpoint



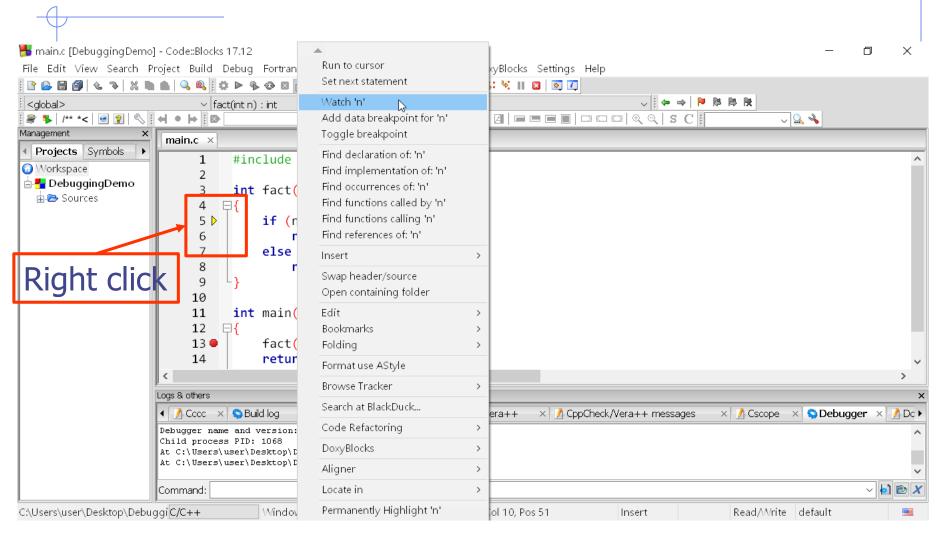
Starting Debugger

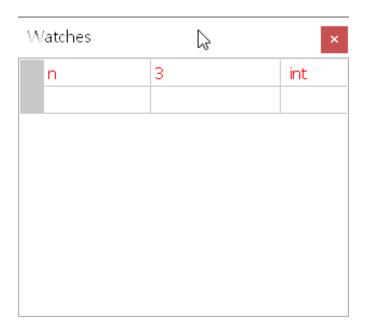






Add Watch





Preprocessor

```
>>> cat test.c
#define N 10

int main(void)
{
  int a=N;
}
```

```
>>> gcc -E test.c
# 1 "test.c"
# 1 "<built-in>"
# 1 "<command-line>"
# 1 "test.c"
int main(void)
  int a=10;
```

```
>>> gcc test.c
>>> ls -l a.out
-rwxr-xr-x 1 jlhuang faculty 7256 Nov 6 20:41 a.out*
>>> gcc -g test.c
>>> ls -l a.out
-rwxr-xr-x 1 jlhuang faculty 8136 Nov 6 20:42 a.out*
```

```
>>> gdb a.out
(qdb) break main
Breakpoint 1 at 0x400779: file test.c, line 5.
(gdb) run
Starting program: /net/faculty/jlhuang/Code/a.out
Breakpoint 1, main () at test.c:5
       int a=N;
(gdb) print a
$1 = 32767
(qdb) print N
No symbol "N" in current context.
```

(qdb)