

C From Beginner To Expert Programming Tutorial - The Complete Tutorial to Learn C.mp4 - VLC media player

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Programming

- Creates software that controls hardware
- Uses a programming language, such as C

languages coming along but
like Latin, C is the foundation

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Source Code

- Plain text file
- Contains programming instructions
- Ends with .c filename extension
- Can use any text editor to create this file

can do although some editors
offer helpful features like

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Object Code

- Created by the compiler from the source code file
- Contains tokenized instructions
- Ends with .o filename extension

they use the same filename as the original source code file

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Program File

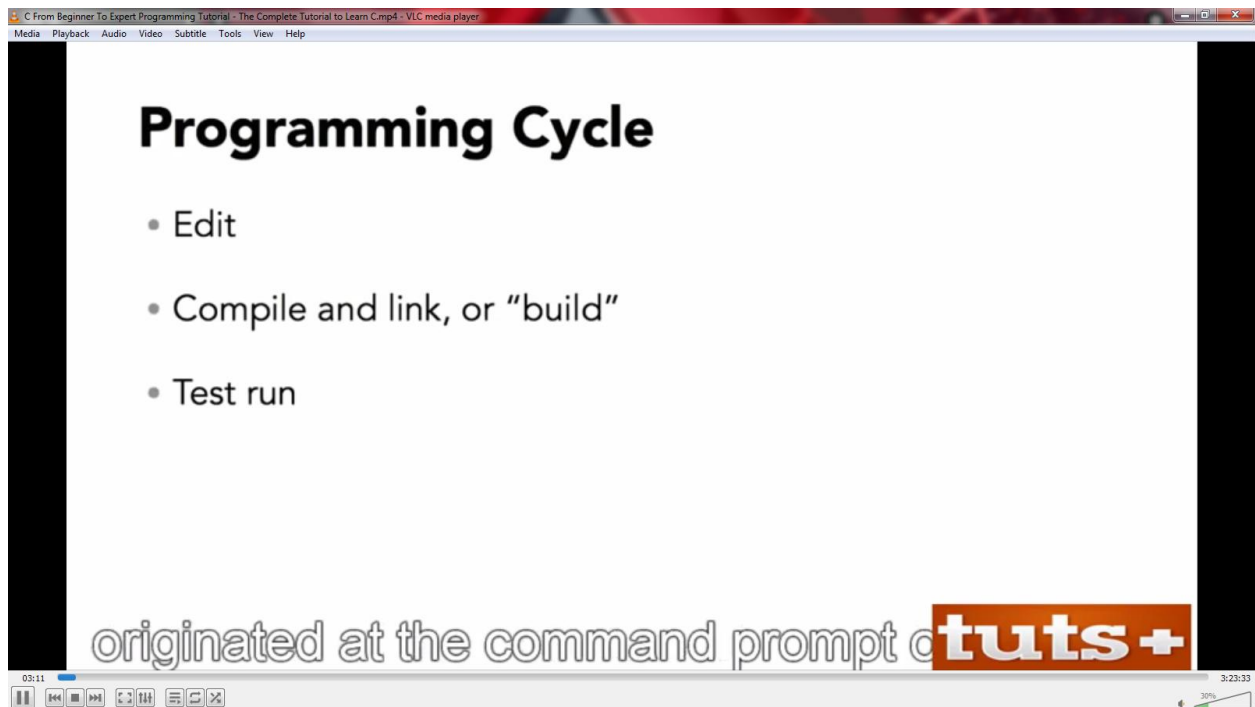
- Created by the linker
- Combines object code and C library file

combines it with C language library

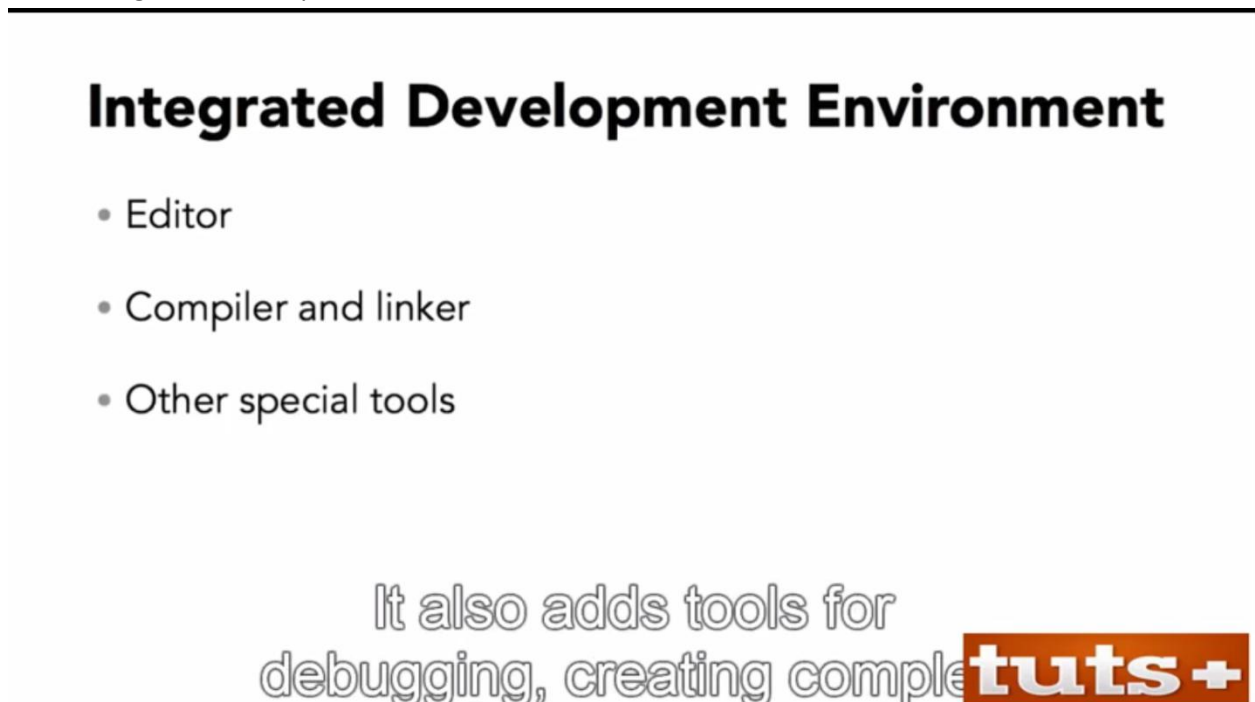
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IDE → Integrated Development Environment



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Programming Cycle

- Edit
- Compile and link, or "build"
- Test run

Although in practice you're going to **tuts+**

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The screenshot shows the Code::Blocks IDE interface. The main window displays the 'Start here' screen for Code::Blocks 20.03, which includes the IDE logo, version information, and links to create a new project, open an existing project, and visit the forums. The 'Logs & others' panel at the bottom shows a console window with the following error message:

```
'&Settings/-Edit startup script'  
SpellChecker: Thesaurus files 'C:\Program Files\CodeBlocks\share  
\codeblocks\SpellChecker\th_en_US.idx' not found!
```

An 'Environment error' message is also visible at the bottom right, stating: 'Can't find compiler executable in your configured search path's for GNU GCC Compiler'.