How to Compile and Run a C Program on Ubuntu Linux

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This document shows how to compile and run a C program on Ubuntu Linux using the gcc compiler.

Step 1. Open up a terminal

Search for the terminal application in the Dash tool (located as the topmost item in the Launcher). Open up a terminal by clicking on the icon.



For ease of future access to the terminal application, right click its icon in the Launcher and select "Lock to Launcher".



Step 2. Use a text editor to create the C source code.

Type the command

gedit hello.c

and enter the C source code below:

```
#include <stdio.h>
main() {
    printf("Hello World\n");
}
```

Close the editor window.



Step 3. Compile the program.

Type the command

gcc -o hello hello.c

This command will invoke the GNU C compiler to compile the file hello.c and output (-o) the result to an executable called hello.



Step 4. Execute the program.

Type the command

./hello

This should result in the output

Hello World



Optional step

In order to avoid the./ prefix each time a program is to be executed, insert the following as the last line in the file .profile (located in your home folder):

export PATH=.:\$PATH

This step needs only to be done once.



