How to Compile and Run a C Program on Ubuntu Linux

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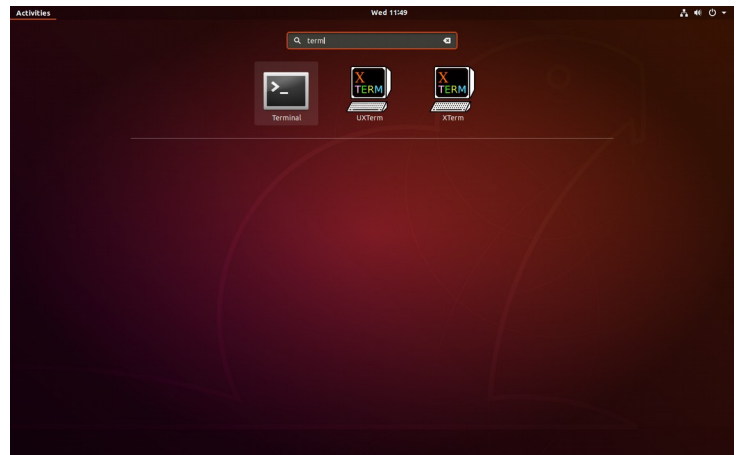
This document shows how to compile and run a C program on Ubuntu Linux using the gcc compiler.

Step 1. Open up a terminal

- Go to "Dash tool " (located as the left topmost item)
- **Search for the terminal application**
- **Open up a terminal by clicking on the icon.**

Or

shortcut key to open terminal
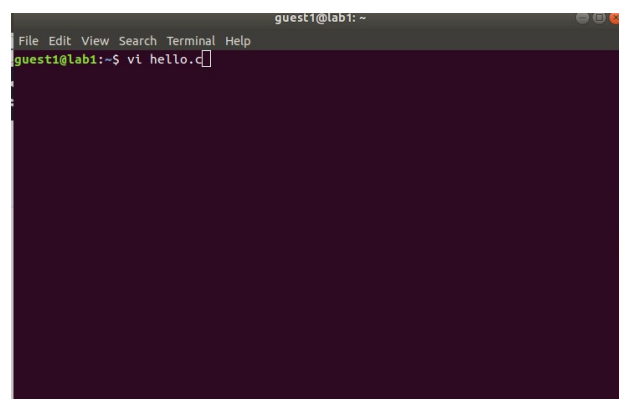press **CTRL+ALT+t** to open terminal

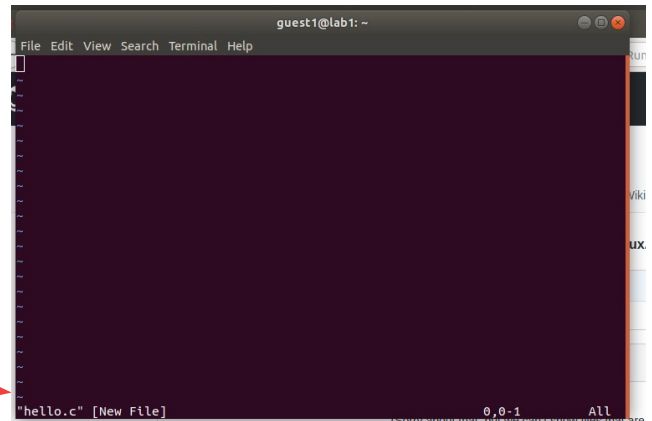## Step 2. Use a VI editor to create the C source code.

Commands	**SCREEN**
1. Type the command *vi hello.c*	

2. hit enter

hello.c created

"hello.c" [New File]   0,0-1   All

3. Press **I or Insert button to enter text**
   in helo.c program (Insert mode)

after press(I or Insert button)

-- INSERT --   2,1   All
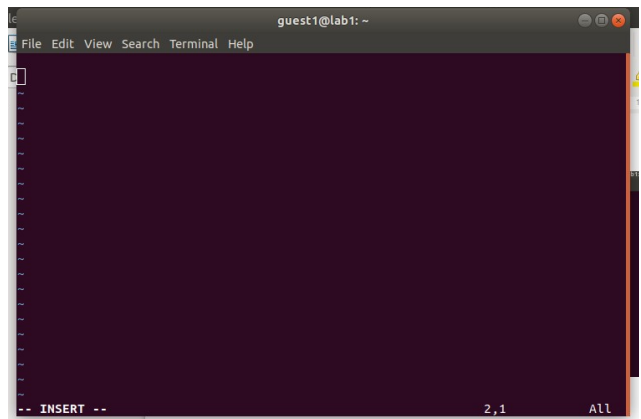
3. then enter the C source code below:

    #include <stdio.h>

    void main() {
        printf("Hello World\n");

    }


```
/* hello world program */
#include <stdio.h>

void main() {
        printf("Hello World\n");

}
```

-- INSERT --   1,5   All
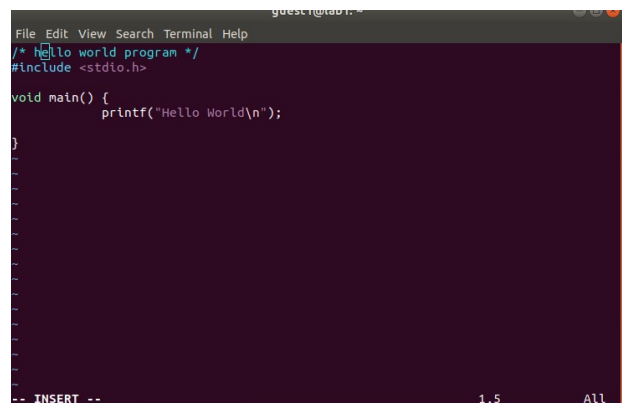
4. SAVE AND EXIT (save program and quit)

press ESC button then type

":wq"

hit enter

Write and quit

```
/* hello world program */
#include <stdio.h>

void main() {
        printf("Hello World\n");
}
```
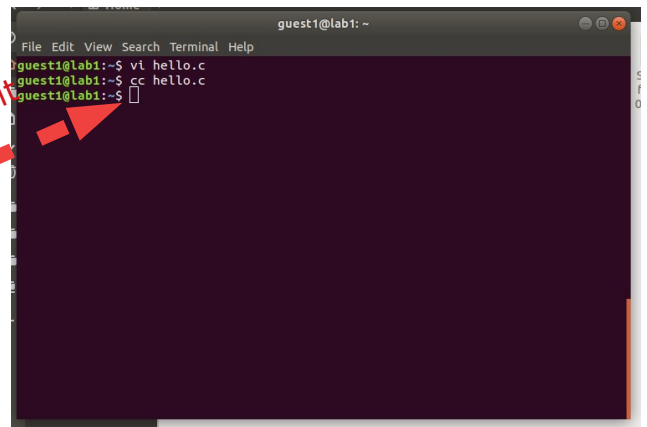
:wq
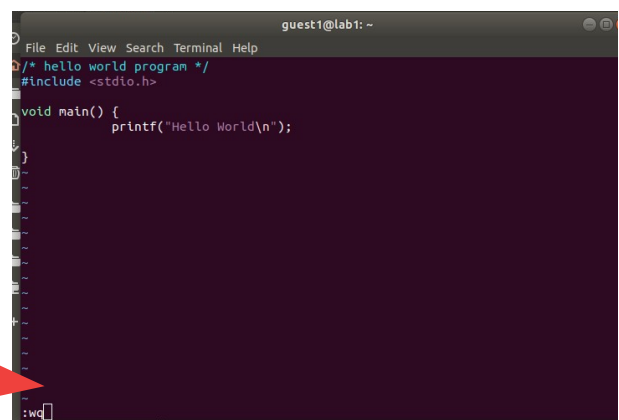
Step 3. Compiling C program

type

cc hello.c

(after **cc hello.c** , if the prompt appears it means program compiled successfully.)

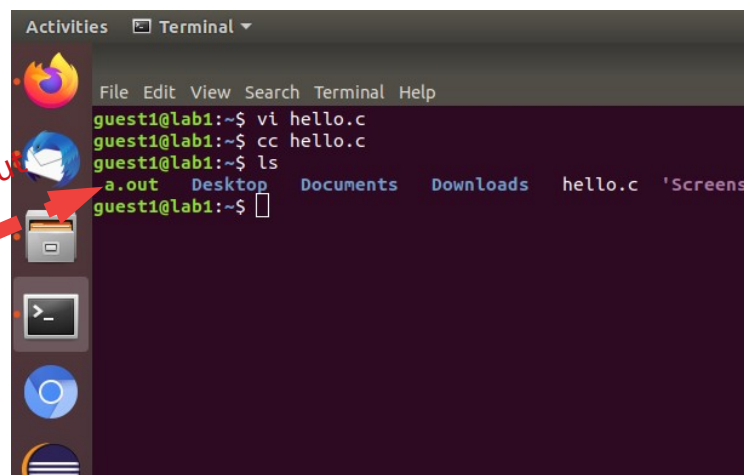(compiler will compile the file **hello.c** and creates to an executable called **a.out.)**

Step 4. Execution of hello.c C program

1. type *ls*

(to check the compiled file(*a.out*) created not)
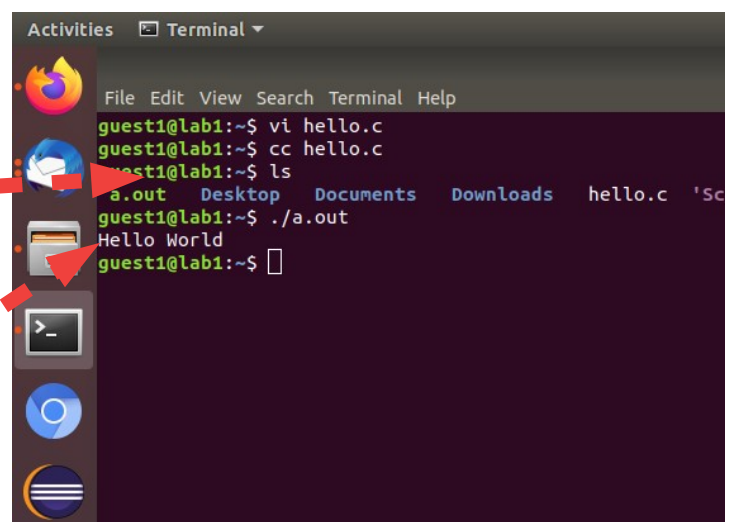
2. Execute the program type :

./a.out

(hit enter to see the output)3[1]

1*https://bhhmsrit.github.io/foc/* bhh