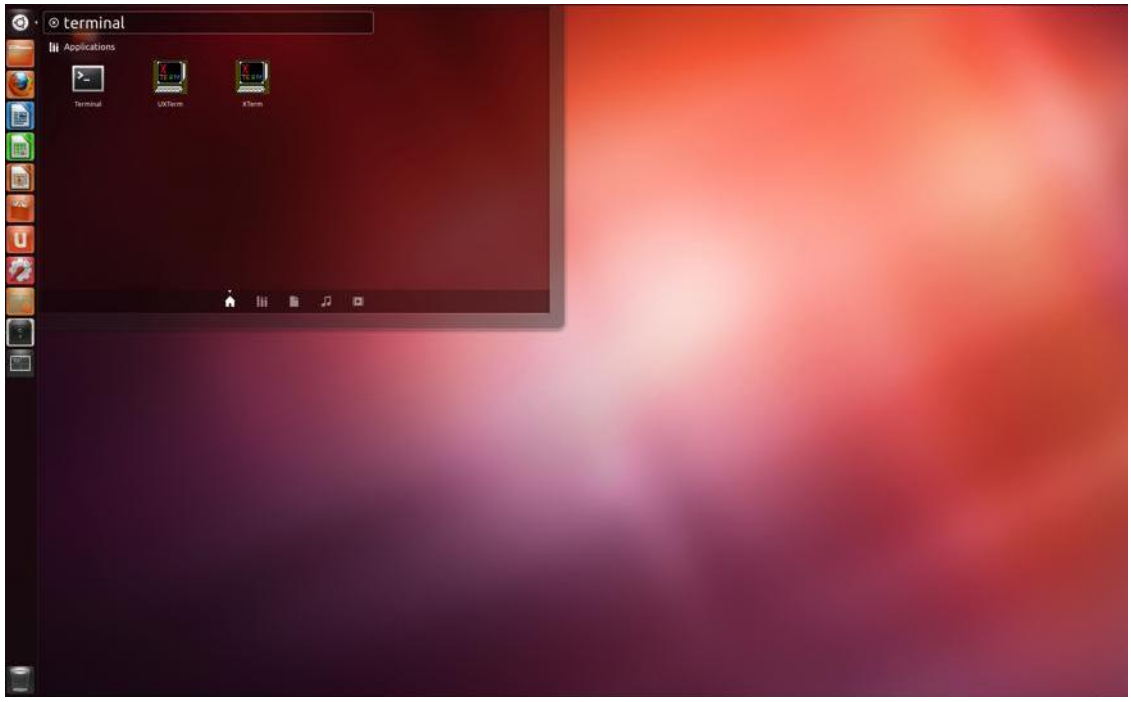
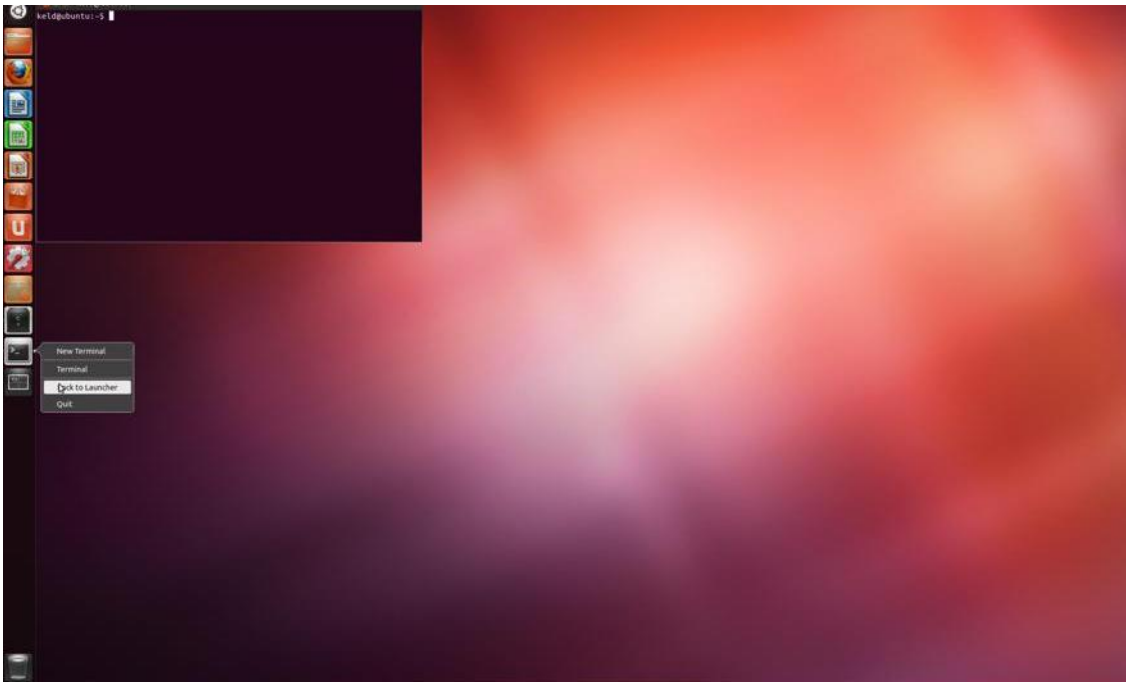
How to Compile and Run a C Program on Linux

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

Step 1. Open up a terminal

Search for the terminal application.Open up a terminal by clicking on the icon.




New Terminal
Terminal
Quit

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

Type the command

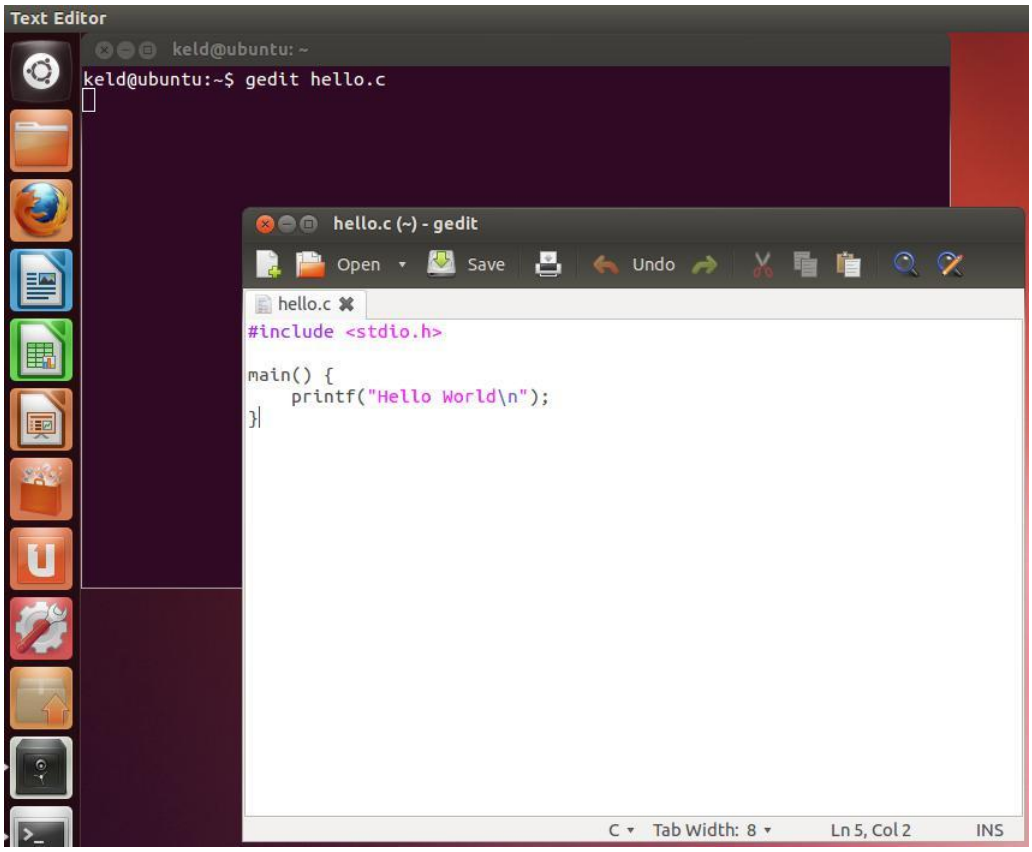
```
gedit hello.c
```

and enter the C source code below:

```
#include <stdio.h>

main() {
    printf("Hello World\n");
}
```

Close the editor window.

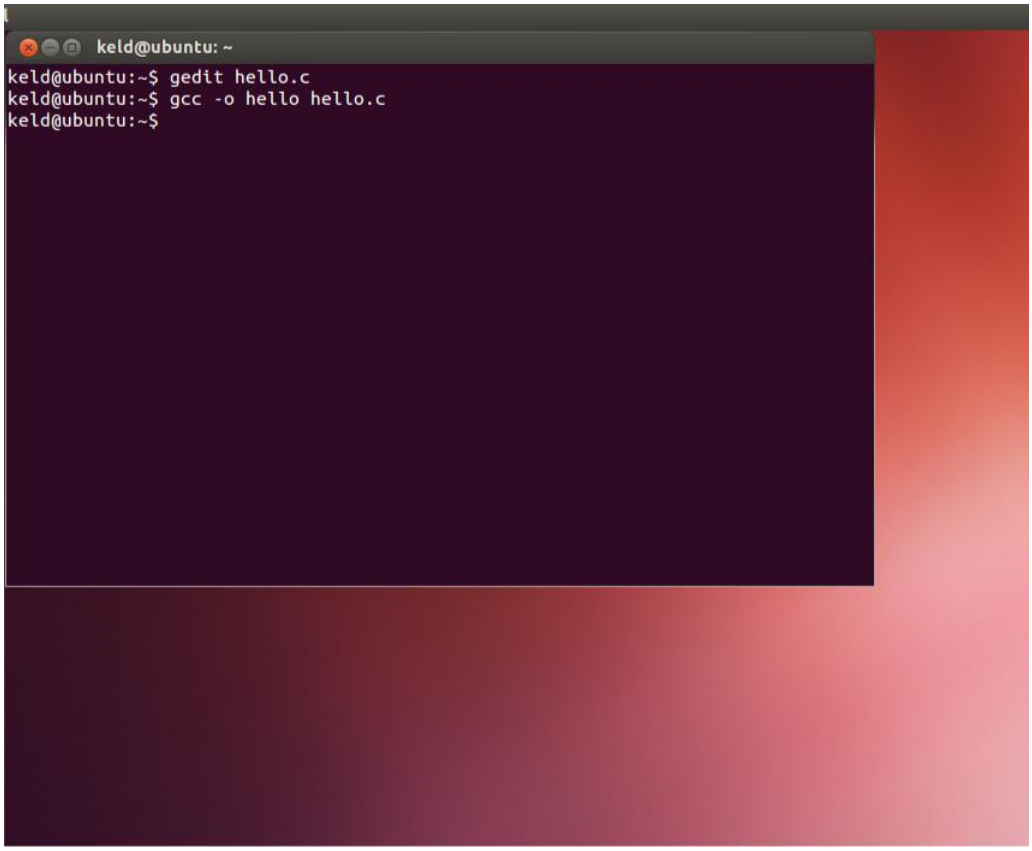


Step 3. Compile the program.

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
```