

## List of Commands

Novice :

Task	Command
For executing and compilation of any c program file.	<code>gcc filename.c</code>
For compiling the file and keeping the desired file name of that compiled file.	<code>gcc filename.c -o main</code>
For producing the compiled code	<code>gcc -C filename.c</code>
For executing the compiled code	<code>./main</code>

Intermediate user:

Will also include above commands mentioned in Novice.

Task	Command
Produce only the preprocessor output with -E option.	<code>gcc -E main.c &gt; main.i</code>
Produce assembly code using -S option	<code>gcc -S filename.c &gt; filename.s</code>
For Enabling Warnings while compiling code using -Wall function and saving it with desired name.	<code>gcc -Wall filename.c -o main</code>

Expert User:  
(Console window)

Will also include above commands mentioned in Novice and Intermediate users.

Task	Command
Produce all intermediate files using -save-temps function.	<code>gcc -save-temps filename.c</code>  Can be followed by "ls" command listing the files created
Convert warnings into error	<code>gcc -Wall -Werror filename.c -o main</code>

Use compile time macros using -D option	<code>gcc -Wall -DMY_MACRO main.c -o main</code>
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Extra Commands:

Including all of the previous command

Task	Command
Print all the executed commands using -V option	<code>Gcc -Wall -v filename.c -o main</code>
Interpret char as unsigned char using -funsigned-char option	<code>gcc -Wall -funsigned-char filename.c -o main</code>
Interpret char as signed char using -fsigned-char option	<code>gcc -Wall -fsigned-char filename.c -o main</code>

Reference:

<https://www.thegeekstuff.com/2012/10/gcc-compiler-options/>