

Compiling and Executing Programs in C under UNIX

Suppose you have the file “main.c”.

To compile this program, on the command line, type

```
gcc main.c
```

This will create an executable for you to run called “a.out”.

To name the executable, type the following,

```
gcc -o myprogram main.c
```

Suppose you have more than one “c” file. For example, “main.c” and “list.c”. To compile these files, first create object files by typing

```
gcc -c main.c list.c
```

This will create object files main.o and list.o. Then to create the executable, type

```
gcc -o myprogram main.o list.o
```

This will create the “myprogram” executable you can run.

Note another option you may want to put in the command line is `-Wall`. This tells the compiler to print out all warning messages.