Lab2

Preprocessor

- There are certain line markers which indicate the file name and line numbers. Helps the compiler and debugging tools to track the original source code locations.
- Header file full contents like stdio.h and its dependencies.
- The comments are taken out.

Compilation

I compiled using "gcc -Wall -Wextra -Wfatal-errors -Wpedantic -o program main.c numbers.c"

- -Wall = Enables "all" compiler warning messages. Well not all anymore atleast.. Nowadays enables a large selection of useful flags! From GCC's own manual I found the line "enables all the warnings about constructions that some users consider questionable, and that are easy to avoid".
- -Wextra = Enables some extra warning flags that are not enabled by wall.
- -Wfatal-errors aborts compilation on the first error occurred.
- -Wpedantic warns user if using non-standard extensions or write code that violates the strict C standard.

Execution

```
[sulo@sulo-arch src]$ gcc _Wall _Wextra _Wfatal-errors -Wpedantic _o program main.c_numbers.c
[sulo@sulo-arch src]$ ./program 2 10 7
Generated number: 5
Generated number: 4
Generated number: 10
Generated number: 2
Generated number: 7
Generated number: 8
Generated number: 6
[sulo@sulo-arch src]$ ./program 2 5 9
Invalid range!
[sulo@sulo-arch src]$ ./programga 3 22
Invalid arguments given! Run the program again >:(
[sulo@sulo-arch src]$ ./program a 2 fef ef4 2 enerate an executable file to be run on your computer.
Invalid arguments given! Run the program again >:(
[sulo@sulo-arch src]$ ./program a 2
Enter start of range:
Enter end of range:
Enter unique number count:
Generated number: 4
Generated number: 5
Generated number: 2
[sulo@sulo-arch src]$ ./program
Enter start of range:
Enter end of range:
Enter unique number count:
55
Invalid range!
[sulo@sulo-arch src]$ Execution and debugging
```