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CSE 31 Lab Questions

- 1.) The `.c` option only compiles the the source file, but does not link files together.
- 2.) The `-o` option compiles a `.c` file which is an object file. With this file you can link together other `.o` to create an executable file.
- 3.) To load `output0` into `gdb` you have to use the command. `"gcc -g -o output0 output0.c"`
- 4.) To set a breakpoint at `main` you must use the command `"(gdb) break garbage.c:main"`
- 5.) `gdb ./output0`
- 6.) While the program is running press enter the command `"s"` to single step through a breakpoint.
- 7.) The value of the most significant bit of an unsigned int is 2147483648. The size of an unsigned int is 4. The number of bits is 32.
- 8.) The size of a long long is, 4. The number of bits is 64
- 9.) The size of a signed int is the same as an unsigned int.
- 10.) The output is -2147483648. If you use two's complement on the binary value of the most negative signed int. You you still get a 1 at the leftmost side of the result value.