

Using GDB

- Compile a program using the -g option:

```
cc -g -o prog prog.c
```

- Run the program with

```
gdb prog
```

- Commands:

run (r) Runs the program.

run arg ... Runs the program with arguments.

break function Sets a breakpoint on function.

break line Sets a breakpoint by line number.

clear Removes a breakpoint.

cont (c) Continues after stopping at a breakpoint.

next (n) Sets forward one line. Skips over function calls.

step (s) Sets forward one line. Steps into a function. Use this for your own functions (not printf, etc).

finish Continues to the end of the current function (use if you use s when you meant n).

list Lists lines near the current point in the program.

list line1,line2 Lists specified lines.

print var Prints the value of a variable.

printf Same as C function.

display Prints a variable whenever the program stops.

where Prints the stack so you can see which functions have been called.

help Prints help for commands.