

EE 200 Lecture 9: Interacting with the user and system

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3 October 2023



argc and argv

```
int main(int argc, char* argv[])
```

args_demo.c

File operations

```
FILE* fp = fopen("hello.txt", "w")
```

Some useful functions:

fwrite - write a number of bytes

fread - read a number of bytes

fgetc - read one byte

fgets - read one line

fprintf - like printf but to a file

fflush - make sure bytes are actually written to the file

fclose - clean up!

System calls

Ask the operating system to do something

`fwrite()` is a library call; `write()` is a system call

The difference is more than looking smart during interviews

`syscall.c`

Group coding challenge

Find 2 people you don't normally work with / sit next to

Let one person type, other two should be:

- sharing ideas

- looking up documentation

- asking questions

Write a program that reads its source code, and prints out each line preceded by its line number

Upcoming deadlines

Homework 7 is posted on Github

Homework 6 due Friday 11:59pm

Homework 5 resubmission due Friday at 11:59pm