C - ARGUMENTS

ARGUMENTS TO MAIN

- So far we've run all the programs as
  `./executable_name` without any arguments
- Can also accept command line arguments in C
- Currently, main accepts `void`

```c
int main(void) {
    return 0;
}
```

ARGUMENTS TO MAIN

- Need to replace void with arguments
  - `argc` = number of arguments passed
  - `argv` = array of arguments (each arg is `char *`)

```c
int main(int argc, char *argv[]) {
    return  0;
}
```

ARGUMENTS

- First arg is always name of program
- Other args may need to be converted to a different type
    - Example `./average 100 110`
        - `argv[1]` is `char *` storing `100`
        - need to convert to int
        - `int atoi(char *str)` in `stdlib.h`
        - other conversion functions also in `stdlib.h`