So far, all of your programs have begun pretty much the same way.

```
int main(void)
{
```

- Since we've been collecting user input through inprogram prompts, we haven't needed to modify this declaration of main().
- If we want the user to provide data to our program before the program starts running, we need a new form.

• To collect so called **command-line arguments** from the user, declare main as:

```
int main(int argc, string argv[])
{
```

 These two special arguments enable you to know what data the user provided at the command line and how much data they provided.

- argc (argument count)
  - This integer-type variable will store the **number** of command-line arguments the user typed when the program was executed.

command	argc
./greedy	1
./greedy 1024 cs50	3

- argv (argument vector)
  - This array of strings stores, one string per element, the actual text the user typed at the command-line when the program was executed.
  - The first element of argv is always found at argv[0].
     The last element of argv is always found at argv[argc-1].
    - Do you see why?

- argv (argument vector)
  - Let's assume the user executes the greedy program as follows

argv indices	argv contents
argv[0]	"./greedy"
argv[1]	
argv[2]	
argv[3]	

- argv (argument vector)
  - Let's assume the user executes the greedy program as follows

argv indices	argv contents
argv[0]	"./greedy"
argv[1]	"1024"
argv[2]	
argv[3]	

- argv (argument vector)
  - Let's assume the user executes the greedy program as follows

argv indices	argv contents
argv[0]	"./greedy"
argv[1]	"1024"
argv[2]	"cs50"
argv[3]	

- argv (argument vector)
  - Let's assume the user executes the greedy program as follows

argv indices	argv contents
argv[0]	"./greedy"
argv[1]	"1024"
argv[2]	"cs50"
argv[3]	???