

# Command-line Arguments

- **Command line argument** is a **parameter** supplied to the program when it is invoked
- **Command line argument** is an important concept in **C** programming used when you need to control your program from outside.
- **Command line arguments** are passed to the `main()` function. Syntax: `int main(int argc, char *argv[])`
  - `argc` refers to the number of **arguments** passed
  - `argv[]` is a pointer array which points to each **argument** passed to the program.

# Command-line Arguments

```
#include <stdio.h>

int main (int argc, char *argv[])
{
    int count;

    printf("This program was called with \"%s\".\n",argv[0]);

    if (argc > 1)
    {
        for (count = 1; count < argc; count++)
        {
            printf("argv[%d] = %s\n", count, argv[count]);
        }
    }
    else
    {
        printf("The command had no other arguments.\n");
    }

    return 0;
}
```