Commands Line Arguments

Linux C

Program

```c
// C program to illustrate
// command line arguments
#include <stdio.h>

int main(int argc, char* argv[])
{
    printf("Program name is: %s", argv[0]);

    if (argc == 1)
        printf("\nNo Extra Command Line Argument Passed "
                "Other Than Program Name");

    if (argc >= 2) {
        printf("\nNumber Of Arguments Passed: %d", argc);
        printf("\n----Following Are The Command Line "
                "Arguments Passed----");
        for (int i = 0; i < argc; i++)
            printf("\nargv[%d]: %s", i, argv[i]);
    }
    return 0;
}
```

1- 0 index is reserved for program name
2- if length of argc is greater then 1, its mean You have received some arguments

Command Line Arguments

```
Program Name Is: ./a.out
No Extra Command Line Argument Passed Other Than Program Name
```

```
$ ./a.out First Second Third
```

./a.out [21,23,43,45,65,67,12]

```
Program Name Is: ./a.out
Number Of Arguments Passed: 4
----Following Are The Command Line Arguments Passed----
argv[0]: ./a.out
argv[1]: First
argv[2]: Second
argv[3]: Third
```