

C ProgrammingLecture No. 18

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Command Line Argument :-

It is possible to pass some values from the command line to your C programs when they are executed. These values are called command line arguments and the command line arguments are handled using main() function arguments.

~~" " " " " "~~

To support command line argument, you need to change the structure of main() function as given below.

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

Here,

argc counts the number of arguments.

It counts the ~~number of argument~~ file name as the first argument.

The `argv[]` contains the total number of arguments. The first argument is the file name always.

example :- `#include <stdio.h>`

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

```
printf("Program name is: %s\n", argv[0]);
```

```
if (argc < 2)
```

```
{
```

```
printf("No argument passed through  
command line\n");
```

```
}
```

```
else
```

```
{
```

```
printf("first argument is %s\n", argv[1]);
```

```
}
```

```
}
```