

~~5, 7, 9, 12, 21, 22, 26, 30, 41, 44, 49, 60,
13, 16, 70, 45, 76, 9~~

command line arguments

↳ Not going to take.

~~11, 4, 39, 3, 49, 79, 47, 65, 33, 5, 98, 80, 60,
01, 46, 45, 54, 48, 59, 27, 60, 6, 48, 31, 14, 34, 79, 81,
72, 13~~

cmd arg → are the values given after the name of the program in the command-line shell of os.

↳ handled by main() function of c program.

Structure

main with 2 arguments.

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

}
argc - integer variable → no. of cmd arg passed by the user including name of the program.

if we pass a value } 2 - arguments.

argc → non-negative.

argv - arg. vector \rightarrow is an array of char pointers. listing all the arguments.

$argv[0]$ \rightarrow name of the program
 $argv[1]$

$argv[argc-1]$ \rightarrow arguments^{cmd}.
(pointers to strings).

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

```
{  
    printf ("you have entered %d arguments: \n", argc);
```

```
    for (int i=0; i< argc; i++)
```

```
    {  
        printf ("%s\n", argv[i]);
```

```
    }
```

```
    return 0;
```

```
}
```

from terminal:

\rightarrow controlling program from outside.

```
$ cd C:\Users\ DELL\Desktop & .\Demo.exe  
$ g++ mainreturn.cpp -o main
```

```
$ ./main.
```

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```
./main
```

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