

## Shell Output with script.sh

```
krishna@krish-MacPro:~/OperatingSystems/krish$ ./krish script.sh
```

```
krish $
```

```
krish $ Executing command gcc with arguments "-o, HelloWorld, ./HelloWorld.c"
```

```
[Finished with exit code 0]
```

```
Real: 0.045391s, User: 0.028000s, System: 0.008000s
```

```
krish $ Executing command ls with arguments ""
```

```
HelloWorld HelloWorld.c input.txt krish krish.c script.sh
```

```
[Finished with exit code 0]
```

```
Real: 0.001474s, User: 0.000000s, System: 0.000000s
```

```
krish $ Executing command ./HelloWorld with arguments "a1, a2, a3, a4, a5, <input.txt,  
>output.txt, 2>error.txt"
```

```
[Finished with exit code 255]
```

```
Real: 0.000893s, User: 0.000000s, System: 0.000000s
```

```
krish $ Executing command ls with arguments ""
```

```
error.txt HelloWorld HelloWorld.c input.txt krish krish.c output.txt script.sh
```

```
[Finished with exit code 0]
```

```
Real: 0.001113s, User: 0.000000s, System: 0.000000s
```

```
krish $ Executing command ./HelloWorld with arguments "b1, b2, b3, b4, b5, <input.txt,  
>>output.txt, 2>>error.txt"
```

```
[Finished with exit code 255]
```

```
Real: 0.000781s, User: 0.000000s, System: 0.000000s
```

```
krish $ Executing command ls with arguments ""
```

```
error.txt HelloWorld HelloWorld.c input.txt krish krish.c output.txt script.sh
```

```
[Finished with exit code 0]
```

```
Real: 0.001085s, User: 0.000000s, System: 0.000000s
```

```
krish $ Executing command ./HelloWorld with arguments "c1, c2, c3, c4, c5, <input.txt"
```

```
Parameter: ./HelloWorld
```

```
Parameter: c1
```

```
Parameter: c2
```

```
Parameter: c3
```

```
Parameter: c4
```

```
Parameter: c5
```

```
Standard Output Output
```

```
Standard Error Output
```

```
Stdin: Input File First Line
```

```
Stdin: Input File Second Line
```

```
Stdin: Input File Third Line
```

```
Stdin: Input File First Line
Stdin: Input File Second Line
Stdin: Input File Third Line
Stdin: Input File Fourth Line
Stdin: Input File Fifth Line
Stdin: Input File Last Line
Stdin:
```

```
[Finished with exit code 255]
Real: 0.000835s, User: 0.000000s, System: 0.000000s
```

```
kriSh $
kriSh $
kriSh $ Executing command cat with arguments "input.txt"
Input File First Line
Input File Second Line
Input File Third Line
Input File Fourth Line
Input File Fifth Line
Input File Last Line
```

```
[Finished with exit code 0]
Real: 0.000812s, User: 0.000000s, System: 0.000000s
```

```
kriSh $ Executing command cat with arguments "output.txt"
Parameter: ./HelloWorld
Parameter: a1
Parameter: a2
Parameter: a3
Parameter: a4
Parameter: a5
Standard Output Output
Stdin: Input File First Line
Stdin: Input File Second Line
Stdin: Input File Third Line
Stdin: Input File Fourth Line
Stdin: Input File Fifth Line
Stdin: Input File Last Line
Stdin:
Parameter: ./HelloWorld
Parameter: b1
Parameter: b2
Parameter: b3
Parameter: b4
Parameter: b5
Standard Output Output
Stdin: Input File First Line
Stdin: Input File Second Line
Stdin: Input File Third Line
```

```
Parameter: b4
Parameter: b5
Standard Output Output
Stdin: Input File First Line
Stdin: Input File Second Line
Stdin: Input File Third Line
Stdin: Input File Fourth Line
Stdin: Input File Fifth Line
Stdin: Input File Last Line
Stdin:

[Finished with exit code 0]
Real: 0.000921s, User: 0.000000s, System: 0.000000s

kriSh $ Executing command cat with arguments "error.txt"
Standard Error Output
Standard Error Output

[Finished with exit code 0]
Real: 0.000785s, User: 0.000000s, System: 0.000000s

kriSh $ krishna@krish-MacPro:~/OperatingSystems/kriSh$ █
```

**NOTE: Blanks after 'kriSh \$' are supposed to be there because of empty lines in the script**

## Live Shell Output

```
krishna@krish-MacPro:~/OperatingSystems/krish$ ./krish

krish $ ls
Executing command ls with arguments ""
HelloWorld HelloWorld.c input.txt krish krish.c output.txt script.sh

[Finished with exit code 0]
Real: 0.001388s, User: 0.000000s, System: 0.000000s

krish $ ls -l
Executing command ls with arguments "-l"
total 52
-rwxrwxr-x 1 krishna krishna 8762 Oct 20 00:57 HelloWorld
-rw-rw-r-- 1 krishna krishna 326 Oct 20 00:02 HelloWorld.c
-rw-rw-r-- 1 krishna krishna 134 Oct 20 00:06 input.txt
-rwxrwxr-x 1 krishna krishna 14062 Oct 20 00:53 krish
-rw-rw-r-- 1 krishna krishna 7610 Oct 20 00:57 krish.c
-rw----- 1 krishna krishna 600 Oct 20 00:57 output.txt
-rw-rw-r-- 1 krishna krishna 290 Oct 20 00:24 script.sh

[Finished with exit code 0]
Real: 0.002256s, User: 0.000000s, System: 0.000000s

krish $ cat script.sh
Executing command cat with arguments "script.sh"
#!/krish

gcc -o HelloWorld ./HelloWorld.c
ls
./HelloWorld a1 a2 a3 a4 a5 <input.txt >output.txt 2>error.txt
ls
./HelloWorld b1 b2 b3 b4 b5 <input.txt >>output.txt 2>>error.txt
ls
./HelloWorld c1 c2 c3 c4 c5 <input.txt

#This is a random comment

cat input.txt
cat output.txt
cat error.txt

[Finished with exit code 0]
Real: 0.001111s, User: 0.000000s, System: 0.000000s

krish $ █
```