



# **\*SHELL PROGRAMMING LAB\***

## **ASSIGNMENT -15**

**SUBMITTED BY:**

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**SUBMITTED TO:**

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**TITLE: Shell Scripts reading Files  
Activities:**

## Working with getopt

1. Create a bash script to get the command line argument and print it. Use \$0,\$1,\$2,\$3,\$@,\$\* by passing suitable command line arguments.

```
root@Ayush500086400:~/Desktop/lab15# bash q1.sh
All the inputs
The first one
The second one
The Third one
The file name q1.sh
root@Ayush500086400:~/Desktop/lab15# bash q1.sh dehradun muzaffarpur delhi
All the inputs dehradun muzaffarpur delhi
The first one dehradun
The second one muzaffarpur
The Third one delhi
The file name q1.sh
root@Ayush500086400:~/Desktop/lab15#
```

2. Create a bash script to get the command line argument with options using case block.

```
root@Ayush500086400:~/Desktop/lab15# ./q2.sh -ayus
input contains a
input contains y
root@Ayush500086400:~/Desktop/lab15# ./q2.sh -us
input contains u
input contains s
root@Ayush500086400:~/Desktop/lab15# ./q2.sh -ay
input contains a
./q2.sh: option requires an argument -- y
Incorrect option
```

```
1 #!/bin/bash
2
3 while getopt "ay:us" input;
4 do
5     case $input in
6         a)
7             echo "input contains a "
8             ;;
9         y)
10            echo "input contains y "
11            ;;
12        u)
13            echo "input contains u "
14            ;;
15        s)
16            echo "input contains s "
17            ;;
18        *)
19            echo "Incorrect option $OPTARG"
20            ;;
21    esac
22 done
```

3. Create a bash script Parse input arguments with if condition and while loop.

```
root@Ayush500086400:~/Desktop/lab15# bash q3.sh -ya
Y Found
root@Ayush500086400:~/Desktop/lab15# bash q3.sh -a
A found
root@Ayush500086400:~/Desktop/lab15#
```

```
1 #!/bin/bash
2
3 while getopts 'ay:aa' input;
4 do
5     if [ $input = "a" ]
6     then
7         echo "A found"
8     elif [ $input = "y" ]
9     then
10        echo "Y Found"
11    fi
12 done
```

Reference:

<https://www.golinuxcloud.com/counter-in-bash/>