EX:9 SHELL SCRIPTS- II

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```
#!/bin/bash
echo "Enter Operation:"
select var in add sub mul div
do
        case $var in
                add)
                        echo $(( $1+$2 ));;
                sub)
                        echo $(( $1-$2 ));;
                mul)
                        echo $(( $1*$2 ));;
                div)
                        echo $(( $1/$2 ));;
        esac
done
```

```
vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./calcu.sh 4 5
Enter Operation:
1) add
2) sub
3) mul
4) div
#? 1
9
#? 2
-1
#? 3
20
#? 4
0
#? ^C
```

```
#!/bin/bash
echo "Script Name is $0"
echo "Number of Arguments Passed: $#"
echo "The Arguments Passed are: $@"
```

vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./arguments.sh 1 2 3 4 5
Script Name is ./arguments.sh
Number of Arguments Passed: 5
The Arguments Passed are: 1 2 3 4 5

```
echo "Number of lines in File $1 is :"
wc -l $1
```

vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./linecounter.sh emp.txt
Number of lines in File emp.txt is :
5 emp.txt

```
compare(){
        if [[ $1 > $2 ]];then
                echo "2"
        elif [[ $1 == $2 ]];then
                echo "0"
        else
                echo "1"
        fi
}
```

compare $1 $2

vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./strcomp.sh Vikram Vishakan
1
vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./strcomp.sh Vikram Vikram
0
vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./strcomp.sh Vishakan Vikram
2

```bash
#!/bin/bash
select var in List Search Modify_Rate Modify_Hours Delete Quit
do
        case $var in
                List)
                        cat emp.txt;;
                Search)
                        read -p "Enter Name: " name
                        grep $name emp.txt;;
                Modify_Rate)
                        read -p "Enter Name: " name
                        read -p "Enter New Rate: " rate
                        awk -v name="$name" -v rate="$rate" '{FS="\t";OFS="\t";if( $1 ==
name ){print $1,rate,$3}else{print $0}}' emp.txt >temp.txt
                        cat temp.txt|cat>emp.txt
                        cat emp.txt;;
                Modify_Hours)
                        read -p "Enter Name: " name
                        read -p "Enter New Hours: " hours
                        awk -v name="$name" -v hours="$hours" '{FS="\t";OFS="\t";if( $1 ==
name ){print $1,$2,hours}else{print $0}}' emp.txt >temp.txt
                        cat temp.txt|cat>emp.txt
                        cat emp.txt;;
                Delete)
                        read -p "Enter Name: " name
                        awk -v name="$name" '{FS="\t";OFS="\t";if( $1 != name){print $0}}'
emp.txt >temp.txt
                        cat temp.txt|cat>emp.txt
                        cat emp.txt;;
                Quit)
                        echo "Thank You!"
                        echo "Ctrl+C to Quit";;
        esac
done
```

```
 vishakan@legion:~/Desktop/Semester III/Lab/Unix/Scripts 2$ ./empscript.sh
1) List          3) Modify_Rate      5) Delete
2) Search        4) Modify_Hours     6) Quit
#? 1
Beth    4.00    0
Dan     3.75    0
Kathy   4.00    10
Mark    5.00    20
Mary    5.50    22
Susie   4.25    18
#? 2
Enter Name: Dan
Dan     3.75    0
```

```
#? 3
Enter Name: Dan
Enter New Rate: 4.50
Beth    4.00    0
Dan     4.50    0
Kathy 4.00     10
Mark  5.00     20
Mary  5.50     22
Susie  4.25     18
#? 4
Enter Name: Beth
Enter New Hours: 14
Beth    4.00     14
Dan     4.50    0
Kathy 4.00     10
Mark  5.00     20
Mary  5.50     22
Susie  4.25     18
#? 5
Enter Name: Kathy
Beth    4.00     14
Dan     4.50    0
Mark  5.00     20
Mary  5.50     22
Susie  4.25     18
#? 6
Thank You!
Ctrl+C to Quit
#? ^C
```