

```
ali@ali-VirtualBox:~$ cd Desktop
ali@ali-VirtualBox:~/Desktop$ cat > sam.sh
#!/bin/bash
```

```
echo "ENTER FILE"
read str
if test -f $str
then echo "ordinary file"
elif test -d $str
then echo "directry file"
elif test -c $str
then echo "charctr file"
else
echo "not exist"
fi
ali@ali-VirtualBox:~/Desktop$ bash sam.sh
ENTER FILE
sample
ordinary file
```

```
li@ali-VirtualBox:~$ cd Desktop
ali@ali-VirtualBox:~/Desktop$ cat > gros.sh
#!/bin/bash
```

```
echo "ENTER SALARY"
read sal
if [ $sal -lt 1500 ]
then
    hra=$(((sal/100) * 10))
    da=$(((sal/100) * 90))
    gs=$((hra + da + sal))
    echo "new_salary : $gs"
else
    hra=500
    da=$(((sal/100) * 98))
    gs=$((hra + da + sal))
    echo "new_sal : $gs"
fi
ali@ali-VirtualBox:~/Desktop$ bash gros.sh
ENTER SALARY
1000
new_salary : 2000
ali@ali-VirtualBox:~/Desktop$ bash gros.sh
ENTER SALARY
16000
new_sal : 32180
```

```
ali@ali-VirtualBox:~$ cd Desktop
ali@ali-VirtualBox:~/Desktop$ cat > power.sh
#!/bin/bash
```

```
p=$(( $1 ** $2 ))
echo "power is $p"
ali@ali-VirtualBox:~/Desktop$ bash power.sh 2 3
power is 8
```

```
ali@ali-VirtualBox:~$ cd Desktop
ali@ali-VirtualBox:~/Desktop$ cat > aa
ali@ali-VirtualBox:~/Desktop$ cat > bb
ali@ali-VirtualBox:~/Desktop$ cat > cc
ali@ali-VirtualBox:~/Desktop$ cat compare.sh
#!/bin/bash
```

```
if cmp $1 $2
then
    echo "same"
    rm $2
else
    echo "not same"
fi
ali@ali-VirtualBox:~/Desktop$ bash compare.sh aa bb
same
```

```
ali@ali-VirtualBox:~$ cd Desktop
ali@ali-VirtualBox:~/Desktop$ cat calc.sh
#!/bin/bash
```

```
echo "ENTER 2 NUMBERS"
read a
read b
```

```
echo " MENU "
echo "1.ADDITION"
echo "2.SUBTRACTION"
echo "3.MULTIPLICATION"
echo "4.DIVISION"
echo "ENTER YOUR CHOICE"
read ch
```

```
case $ch in
    1)res= echo "$a + $b " |bc
    ;;
    2)res= echo "$a - $b " |bc
    ;;
    3)res= echo "$a * $b " |bc
    ;;
    4)res= echo "scale=2; $a / $b"|bc
    ;;
    *)echo "invalid"
    esac
    echo "RESULT : $res"
ali@ali-VirtualBox:~/Desktop$ bash calc.sh
ENTER 2 NUMBERS
2
3
MENU
1.ADDITION
2.SUBTRACTION
3.MULTIPLICATION
4.DIVISION
```

ENTER YOUR CHOICE

1

5

RESULT :

ali@ali-VirtualBox:~/Desktop\$ bash calc.sh

ENTER 2 NUMBERS

2

1

MENU

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

ENTER YOUR CHOICE

2

1

RESULT :

ali@ali-VirtualBox:~/Desktop\$ bash calc.sh

ENTER 2 NUMBERS

2

3

MENU

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

ENTER YOUR CHOICE

3

6

RESULT :

ali@ali-VirtualBox:~/Desktop\$ bash calc.sh

ENTER 2 NUMBERS

8

4

MENU

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

ENTER YOUR CHOICE

4

2.00

RESULT :

ali@ali-VirtualBox:~/Desktop\$ bash calc.sh

ENTER 2 NUMBERS

5

2

MENU

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

ENTER YOUR CHOICE

5

invalid