

```
ali@ali-VirtualBox:~$ cat > pgml.sh
```

```
#!/bin/bash
```

```
echo "enter file"
```

```
read str
```

```
if test -f $str
```

```
then echo "file exists n it is an ordinary file"
```

```
elif test -d $str
```

```
then echo "directory file"
```

```
else
```

```
echo "not exist"
```

```
fi
```

```
if test -c $str
```

```
then echo " character device files"
```

```
fi
```

```
ali@ali-VirtualBox:~$
```

```
ali@ali-VirtualBox:~$ vim sample.sh
ali@ali-VirtualBox:~$ bash pgml.sh
enter file
sample.sh
file exists n it is an ordinary file
ali@ali-VirtualBox:~$ bash pgml.sh
enter file
Desktop
directory file
ali@ali-VirtualBox:~$
```

```
ali@ali-VirtualBox:~$ cat > pgm2.sh  
#!/bin/bash
```

```
echo -n " Enter the basic salary :"  
read sal
```

```
if [ $sal -lt 1500 ]  
then  
    echo "HRA : Rs 500"  
    echo "DA :" $((sal*90/100))  
else [ $sal -ge 1500 ]  
    echo "HRA : Rs 500"  
    echo "DA :" $((sal*98/100))  
fi
```

```
ali@ali-VirtualBox:~$ bash pgm2.sh
```

```
Enter the basic salary :5000
```

```
HRA : Rs 500
```

```
DA : 4900
```

```
ali@ali-VirtualBox:~$ bash pgm2.sh
```

```
Enter the basic salary :1000
```

```
HRA : Rs 500
```

```
DA : 900
```

```
ali@ali-VirtualBox:~$
```

```
ali@ali-VirtualBox:~$ cat > pgm4.sh
#!/bin/bash

echo -n "Enter the first file name :"
read file1

echo -n " Enter the second file :"
read file2

if cmp $file1 $file2
then
    rm -i "$file2"
else
    echo "Contents of the files are not same !!!"
fi
ali@ali-VirtualBox:~$ cat > aa.txt
hello hii
ali@ali-VirtualBox:~$ cat > bb.txt
hello world
ali@ali-VirtualBox:~$ bash pgm4.sh
Enter the first file name :aa.txt
Enter the second file :bb.txt
aa.txt bb.txt differ: byte 7, line 1
Contents of the files are not same !!!
```

```
ali@ali-VirtualBox:~$ cat > a.txt
hi raj
ali@ali-VirtualBox:~$ cat > b.txt
hi raj
ali@ali-VirtualBox:~$ cat a.txt
hi raj
ali@ali-VirtualBox:~$ cat b.txt
hi raj
ali@ali-VirtualBox:~$ bash pgm4.sh
Enter the first file name :a.txt
Enter the second file :b.txt
rm: remove regular file 'b.txt'? █
```

```
ali@ali-VirtualBox:~$ cat >pgm5.sh
#!/bin/bash
```

```
echo "Enter Two numbers : "
read a
read b
```

```
echo "Enter choice : "
echo "1. Addition"
echo "2. Subtraction"
echo "3. Multiplication"
echo "4. Division"
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`  
;;  
esac  
echo "Result : $res"
```

```
ali@ali-VirtualBox:~$ bash pgm5.sh
```

Enter Two numbers :

2

5

Enter choice :

1. Addition

2. Subtraction

3. Multiplication

4. Division

1

Result : 7

```
ali@ali-VirtualBox:~$ bash pgm5.sh
```

Enter Two numbers :

9

5

Enter choice :

1. Addition

2. Subtraction

```
ali@ali-VirtualBox:~$ bash pgm5.sh
```

```
Enter Two numbers :
```

```
9
```

```
5
```

```
Enter choice :
```

```
1. Addition
```

```
2. Subtraction
```

```
3. Multiplication
```

```
4. Division
```

```
2
```

```
Result : 4
```

```
ali@ali-VirtualBox:~$ bash pgm5.sh
```

```
Enter Two numbers :
```

```
5
```

```
6
```

```
Enter choice :
```

```
1. Addition
```

```
2. Subtraction
```

```
3. Multiplication
```

```
4. Division
```

```
3
```

```
Result : 30
```

```
ali@ali-VirtualBox:~$ bash pgm5.sh
```

```
Enter Two numbers :
```

```
8
```

```
2
```

```
Enter choice :
```

```
1. Addition
```

```
2. Subtraction
```

```
3. Multiplication
```

```
4. Division
```

```
4
```

```
Result : 4.00
```