

```
a number
```

```
20
```

```
other number
```

```
2
```

```
22
```

```
sum
```

```
18
```

```
diff
```

```
40
```

```
multiply
```

```
10
```

```
divide
```

```
durgesh@durgesh-VirtualBox: ~/Desktop$
```

```
1 #!/bin/bash
2 echo "a number"
3 read a
4 echo "other number"
5 read b
6 expr $a + $b
7 echo "sum"
8 expr $a - $b
9 echo "diff"
10 expr $a \* $b
11 echo "multiply"
12 expr $a / $b
13 echo "divide"
```

```
durgesh@durgesh-VirtualBox:~/Desktop$ touch evenodd.sh
durgesh@durgesh-VirtualBox:~/Desktop$ ./evenodd.sh
bash: ./evenodd.sh: No such file or directory
durgesh@durgesh-VirtualBox:~/Desktop$ chmod +x evenodd.sh
durgesh@durgesh-VirtualBox:~/Desktop$ ./evenodd.sh
enter a number
22
number is even
durgesh@durgesh-VirtualBox:~/Desktop$
```

```
1 #!/bin/bash
2 echo "enter a number"
3 read a
4 if [  $$(a \% 2)$  == 0 ];
5 then
6     echo "number is even"
7 else
8     echo "number is odd"
9 fi
```

```
durgesh@durgesh-VirtualBox:~/Desktop$ touch integer.sh
durgesh@durgesh-VirtualBox:~/Desktop$ chmod +x integer.sh
durgesh@durgesh-VirtualBox:~/Desktop$ ./integer.sh
48
the sum of digits is 12
durgesh@durgesh-VirtualBox:~/Desktop$
```

```
1 #!/bin/sh
2 read n
3 s=0
4 while [ "$n" -ne 0 ]
5 do
6     d=$(( $n % 10 ))
7     s=$(( $d + $s ))
8     n=$(( $n / 10 ))
9 done
10 echo "the sum of digits is $s"
```