

## PROGRAM – 2

```

/*****
/* Name of the Program : sum
/* Aim : sum of all even, odd and all numbers
/* Author : Rafsal Rahim
/* Date Written : 10.01.2018
*****/

/*****
/* PROGRAM:
*/

sum1=0
sum2=0
sum3=0
echo enter the limit
read n
echo Enter the list of numbers
while [ $n -ge 1 ]
do
    read a
    n=`expr $n - 1`;
    rem=$((a % 2))
    if [ $rem -eq 0 ]
    then
        sum1=`expr $sum1 + $a`;
    else
        sum2=`expr $sum2 + $a`;
    fi
    sum3=`expr $sum3 + $a`;
done
echo Sum of all even numbers is $sum1
echo Sum of all odd numbers is $sum2
echo Sum of all numbers is $sum3
*****/

/*****
/* RESULT :
/*
/* The script is executed and the output is verified
/*
*****/
```

```
/*****/
```

**OUTPUT:**

```
$ ./pgm2.sh
```

```
enter the limit
```

```
5
```

```
Enter the list of numbers
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
Sum of all even numbers is 6
```

```
Sum of all odd numbers is 9
```

```
Sum of all numbers is 15
```

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/*****/
```