PROGRAM — 2

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/*******************************************************************/
/* Name of the Program : sum                                       */
/* Aim                 : sum of all even, odd and all numbers      */
/* Author              : Phebe John                                */
/* 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              */
/*                                                                 */
/*******************************************************************/
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/******************************************************************/
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
/******************************************************************/
```