

1. Generate as many random numbers between 0 and 5 as needed to get a sum less than or equal to 50. The moment the sum crosses 50, we stop counting. Display how many random numbers you generated. Make sure to use a while loop. Search on Google how to generate random numbers.

2.

Write a program using a **while loop** that finds the values less than or equal to 80 from the following matrix, adds them all, and then displays the sum.

```
a=[10 18 12 8 34;  
   1  8 115 9 23;  
   35 12 21 13 56;  
   25 0 16 5 99];
```

3. Write program to generate a pattern like the following. Use while loop.

```
*****  
*1*1*1*1*  
*****  
*1*1*1*1*  
*****  
*1*1*1*1*  
*****
```