**Week # 5 Practice Question – Using While Loop**

Q:1Take 10 integers from keyboard using loop and print their average value on the screen.

Q:2 Print multiplication table of 24, 50 and 29 using while loop.

Q:3 Write an infinite loop. A inifinte loop never ends. Condition is always true.

Q:4 Take integer inputs from user until he/she presses q ( Ask to press q to quit after every integer input ). Print average and product of all numbers.

Q:5 Print the following patterns using loop :  
a.  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
b.  
  \*    
 \*\*\*   
\*\*\*\*\*  
 \*\*\*   
   \*    
c.  
1010101  
 10101   
  101    
   1

**Week # 5 Practice Questions**

Q:1 Print First 10 natural numbers using while loop

Q:2 Calculate the sum of all numbers from 1 to a given number

Q:3 Write a program to print multiplication table of a given number

Q:4 Display numbers from -10 to -1 using for loop

Q:5 Use else block to display a message “Done” after successful execution of for loop

Q:6 Find the factorial of a given number

Q:7 Calculate the cube of all numbers from 1 to a given number

Q:8 Write a Python program that prints all the numbers from 0 to 6 except 3 and 6.

Note : Use 'continue' statement.

Expected Output : 0 1 2 4 5

Q:9 Write a Python program to check the validity of password input by users. Go to the editor

Validation :

At least 1 letter between [a-z] and 1 letter between [A-Z].

At least 1 number between [0-9].

At least 1 character from [$#@].

Minimum length 6 characters.

Maximum length 16 characters.

Q:10 Write a Python program to print alphabet pattern 'D'. Go to the editor

Expected Output:

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