While loop Assignment - 1

Q1. Write a program that prints number from 1 to 10 number with their square.

Q2. Write a program that prints a table of a number, take that number from the user.

Sample input:

Enter a number: 5

Output:  
5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

1. x 10 = 50

Q3. Write a program that calculates the product of all numbers between 1 to 10 using a while loop.

Q4. Write a program that prints numbers divisible of 7 between 1 to 70

Q5. Write a program that takes input from the user and print the reverse counting of that number.

Sample Input: 5

Sample output: 5 4 3 2 1

**Note**: Write the dry run and generate output of all the below programs by using paper and pen in your notebook.

Q7.

num = 3

while num \*\* 2 < 100:

    print(num+1)

    num += 2

Q6. i = 1

while i < 20:

    print(i)

    i \*= 2

Q8. Q9.

a = 5

ans = 1

while a != 1:

    ans \*= a

    print(ans)

    a -= 1

i = 2

while i > -10:

    print(i+2)

    i -= 2

Q10.

i = -10

while i < 0:

    print(i\*\*2)

    i += 2