

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

5 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.

Q6. `i = 1`

`while i < 20:`

`print(i)`

`i *= 2`

Q7. `num = 3`

`while num ** 2 < 100:`

`print(num+1)`

`num += 2`

Q8. `i = 2`

 `while i > -10:`
 `print(i+2)`
 `i -= 2`

Q9. `a = 5`

 `ans = 1`

 `while a != 1:`
 `ans *= a`
 `print(ans)`
 `a -= 1`

Q10. `i = -10`

 `while i < 0:`
 `print(i**2)`
 `i += 2`