

Python Practical I
Deadline for submission: 7th September 2021, 3pm

Q1 Write a python code to print the sum of first n-natural numbers using a for loop. Take n as an input from the user.

Q2 Write a python code to print a multiplication table of a number entered by the user.

Sample input

Enter a number: 5

Expected output

5 x 1 = 5

5 x 2 = 10

....

5 x 10 = 50

Q3 Write a python function to find whether a string entered by the user is a palindrome or not.

(A string which is same as its reverse)

Q4 Write a python code to find whether a number is a perfect number or not.

(A number that is the same as the sum of its proper divisors, for example, $6 = 1+2+3$..

So, 6 is a perfect number)

Q5 Write a python code to print the following pattern taking number of lines as an input from the user.

Sample input

Enter a number: 5

Expected output

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1