1. Write a function that calculates the factorial of a given number. The function should take an integer "n" as its parameter and return the factorial of "n".

2. Write a Python program to calculate the solutions of a given quadratic equation is
   Input:X^2-5X+6=0
   Output:2,3

3. Write a Python program that calculates three interesting values for a range of natural numbers:
   - the sum of all numbers,
   - the sum of all their squares,
   - and the sum of all their cubes.

   That demonstrate this by finding these values for the numbers 1 to 10?

   Output: Sum of natural numbers from 1 to 10: 55

   Square sum of natural numbers from 1 to 10: 385

   Cube sum of natural numbers from 1 to 10: 3025

4. Write a program that prints the multiplication table of a given number using a "for" loop.
5. write a Python function to check the given number is palindrome or not? The catch: you can't use string slicing or built-in reversal functions!
   Ex: 4556 print ("It's not a palindrome")
        4554 print ("It's a palindrome")