1. Write a function **calculateSeries** that takes an integer (n) as parameter and calculates the following series and return the result as a double value.

$$1 - \frac{1}{2^2} + \frac{1}{3^2} - \frac{1}{4^2} + \cdots \pm \frac{1}{n^2}$$

   In the main function, take an integer n as input and use this function to calculate the series upto nth term.

2. Write a function that takes an integer number as input and returns the factorial.

   In the main function take an integer x as input and calculate x! (factorial of x) using this function.