

## For Loop questions

1.

Write a program to calculate the factorial of 100 . The factorial of a number n is  $1 \times 2 \times 3 \times \dots \times n$

2.

Write a program to print the sum of the terms of the sequence  $1, 1/2, 1/3, 1/4, 1/5, \dots, 1/10$

3.

Write a program to print the sum of the terms in the sequence  $5, 55, 555, \dots 5555555555$

4.

Write a program to display the following pattern:

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