LAB ASSIGNMENT<05>

(1) Students are required to compute the sum of following series:

$(n-1)^{n-1} + (n-2)^{n-2} + (n-3)^{n-3} + (n-4)^{n-4} + \ldots\ldots\ldots\ldots\ldots\ldots + (n-n)^{n-n}$

You are required to take value of n as an input from the user. If n = 5 then sample input and sample output would be following:

Sample Input:

5

Sample Output:

289

(2) Students are required to compute the sum of following factorial series:

Sum_of_Fact(n) = Fact(0) + Fact(1) + Fact(2) + ... + Fact(n).

You have to print the factorial of every integer value up to n and also the sum of the factorial series at the end.

Sample Input:

5

Sample Output:

1

1

2

6

24

120

Sum of Factorial Series is 154

(3) Take an array of length 5 and reverse its order.

Original order: 3, 8, 5, 2, 7

Reversed order: 7, 2, 5, 8, 3

Submission Guidelines:

Save all .s files in a folder and zip it. Name it to your roll no and make submission on Google Classroom.