

In this hands on session, we solve some easy problems to gather to use what we have learnt so far. Let's get started!

Write a program to get two numbers from input and print the maximum of the two.

Sample Input: 10 15 Sample Output: 15

In []: *#Your code goes here*

In []:

Write a program to get a number r from input and calculate the area of a circle with the radius r (assume that pi is equal to 3.1415:

Sample Input: 4 Sample Output: 50.264

In []: *#Your code goes here*

Write a program to calculate the factorial of a number n:
 $n! = n (n-1) (n-2) \dots 1$

Sample Input: 6 Sample Output: 720

Write a simple program to calculate the following series:
 $S = (1^2) + (2^2) + (3^2) + \dots (n^2)$

Sample Input: 5 Sample Output: 55

In []: *#Your code goes here*

Write a program to check if a number is prime or not:

Sample Input 1: 14 Sample Output 1: NOT PRIME ===== Sample Input 2: 29 Sample Output 2: PRIME

In []: *#Your code goes here*

Write a program to find the sum of an array:

Sample Input: 1 5 7 9 11 Sample Output: 33

In []: *#Your code goes here*

Write a program in python to find the largest element in an array:

Sample Input: 1 5 7 11 -6 16 Sample Output: 11

In []: *#Your code goes here*

Write a python program to interchange the first and last elements of a list:

Sample Input: 1 2 3 4 5 Sample Output: 5 2 3 4 1

In []: *#Your code goes here*

Write a python program to reverse a list:

Sample Input: 1 2 3 4 5 Sample Output: 5 4 3 2 1

In []: *#Your code goes here*

Write a python program to add two arrays:

Sample Input: 1 3 5 7 9 2 4 6 8 10 Sample Output: 3 7 11 15 19

In []: *#Your code goes here*

Write a python program to add two, two dimensional arrays:

Sample Input: 4 1 4 6 1 1 7 8 9 6 7 8 4 7 8 9 2 2 7 8 6 4 8 5 7 2 3 9 4 7 8 5 4 Sample Output: 3 11 14 7 5 15 13 16 8 10 17 8 14 16 14 6

In []: *#Your code goes here*