

# Python

## Week -1 Practice Problems

---

**Problem 1 :** Write a program to check whether the given number is even or not.

**Problem 2 :** Write a program to convert the temperature in degree centigrade to Fahrenheit.

**Problem 3:** Write a program to find the area of a triangle whose sides are given.

**Problem 4:** Write a program to find out the average of a given set of integers.

**Problem 5:** Write a program to find the circumference and area of a circle with a given radius.

**Problem 6:** Write a function to compute the largest item from the given list of integers.

**Problem 7:** Write a function to check if the given two strings are anagram of each other or not.

An anagram is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once.

Example : String 1 = anagram, String2 = naargam. Both are anagrams of each other since rearranging string 2 will give string 1

**Problem 8 :** Write a function to calculate the factorial of a given

number. Example: Factorial of 5 is  $5*4*3*2*1 = 120$

**Problem 9:** Write a program to calculate the sum of series up to n term.

For example, if  $n = 5$  the series will become  $2 + 22 + 222 + 2222 + 22222 = 24690$

**Problem 10:** Write a program to print the following start pattern using the for loop

```
*
* *
* * *
* * * *
* * * * *
* * * * *
* * * *
* * *
* *
*
```