### Object Oriented Programming

### Assignment # 01

### Please read the following instructions carefully before submitting the assignment.

### Write code below each question. It should be clear that your assignment will not get any credit if the assignment is copied (partial or full) from any source (websites, forums, students etc.).

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**Question 01: Marks: 5**

Consider a situation that a user wants to print first n (any value, e.g. first 10) numbers of Fibonacci series. You need to implement a program that gets a number from user and prints first n Fibonacci series numbers. Write a function for this purpose that prints Fibonacci series recursively. This function should accept a number in parameter and then print n number of elements of Fibonacci series.

**Question 02: Marks: 10**

Write a class **“Circle”** with one data member **radius**. Write three member functions as follows

* + **set\_radius()** that accepts a value in parameter and assigns to radius
  + **get\_area()** that calculate and return area
  + **get\_circum()** that calculate and return circumference

The program should create two objects of class and input radius for these objects. The program should display area for first object and circumference for second object.