**Python Programming Lab:**

**Assignment 1**

**Introduction to python-Variables, Expressions and statements**

1. Program to print largest among 3 numbers.
2. Program to print prime number in an interval.
3. Program to print Fibonacci series up to first n term.
4. Program to swap two variables without using third variable.
5. Program to print factorial of a number.

**Conditional & Looping Construct, Functions**

1. Program to calculate area of circle and square using function.
2. Program to find leap year using input function.
3. Program to find Fibonacci series using recursion
4. Program to find Factorial of number using recursion.
5. Program to write a function that takes a number as a parameter and check number is prime or not.
6. Program to demonstrate various built in functions in python.

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| **Sr. No** | **Topics** | **Remark** |
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| **Conditional & Looping Construct, Functions** | | |
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| 9 | Program to find Factorial of number using recursion. |  |
| 10 | Program to write a function that takes a number as a parameter and check number is prime or not. |  |
| 11 | Program to demonstrate various built in functions in python. |  |