

# Lab Report-01

## OOP-2

**01.** Python program to print "Hello Python"

**02.** Python program to do arithmetical operations

**03.** Python program to find the area of a triangle

**04.** Python program to solve quadratic equation

**05.** Python program to swap two variables

**06.** Python program to generate a random number

**07.** Python program to convert kilometers to miles

**08.** Python program to convert Celsius to Fahrenheit

**09.** Python program to display calendar

**10.** Python Program to Check if a Number is Positive, Negative or Zero

**11.** Python Program to Check if a Number is Odd or Even

**12.** Python Program to Check Leap Year

**13.** Python Program to Check Prime Number

**14.** Python Program to Print all Prime Numbers in an Interval

**15.** Python Program to Find the Factorial of a Number

**16.** Python Program to Display the  
multiplication Table

**17.** Python Program to Print the Fibonacci  
sequence

**18.** Python Program to Check Armstrong  
Number

**19.** Python Program to Find Armstrong  
Number in an Interval

**20.** Python Program to Find the Sum of  
Natural Numbers

**21.** Python Program to Print Reverse of a String

**22.** Python Program to Print Sum of First Ten Natural Numbers

**23.** Python Program to Find LCM

**24.** Python Program to Find HCF

**25.** Python Program to Convert Decimal to  
Binary, Octal and Hexadecimal

1. **26.** Python Program To Find ASCII value of  
a character

**27.** Python Program to Make a Simple  
Calculator

**28.** Python Program to Display Fibonacci  
Sequence Using Recursion

**29.** Python Program to Find Factorial of  
Number Using Recursion

**30.** Python Program to Calculate the Power of a Number

**31.** Python Program to Add Two Matrices

**32.** Python Program to Multiply Two  
Matrices

**33.** Python Program to Transpose a Matrix

**34. Python Program to Sort Words in  
Alphabetic Order**

**35. Python Program to Remove Punctuation  
From a String**

**36. Python Program to convert list to  
string**

**37. Python Program to convert int to  
string**

**38. Python Program to concatenate two  
strings**

**39. Python Program to generate a Random  
String**

**40. Python Program to check whether given string is a palindrome or not**

**41. Convert the string into lowercase to uppercase and uppercase to lowercase**

**42. Python Program to find the occurrence of a substring within a string**

**43. Python Program to append element in  
the list**

**44. Python Program to compare two lists**

**45. Python Program to convert list to  
dictionary**

**46. Python Program to remove an element  
from a list**

**47. Python Program to add two lists**

**48. Python Program to convert List to Set**

**49. Python Program to convert list to  
string**

**50. Python Program to remove duplicates from a list**