**Python Programming Lab**

**Session 1**

1. Write a program to add two programs in python with function.
2. Write a program to add two programs with float in python

**Session 2**

1. Python program to find the maximum of two numbers
2. Python program to find factorial of given number

**Session 3**

1. Python program to swap elements at given positions
2. Python code to merge dict

**Session 4**

1. Program to Find the size of tuples
2. Python code to find sum of elements in given array.

**Session 5**

1. Python program to find maximum in arr[] of size n
2. Python program to find simple interest for given principal amount, time and rate of interest.

**Session 6**

1. Find the Length of a List Using len() Function
2. Python program to check whether element is present or not

**Session 7**

1. Python program to find area of triangle
2. Python program to find area of circle

**Session 8**

1. Python program to Adding elements of the matrix.
2. Python Programs to Transpose a Matrix in Single Line

**Session 9**

1. Python program to Reverse List
2. Python program to Insertion at the beginning in OrderedDict

**Session 10**

1. Python program to Check order of character in string using OrderedDict( )
2. Reverse Words in a Given String in Python Assignment 3

**Session 11**

1. Python for loop to iterate through the letters in a word
2. Python for loop using the range() function

**Session 12**

1. Python for loop to iterate through a list
2. Python for loop to iterate through a dictionary

**Session 13**

1. Using else statement inside a for loop in Python
2. Nested for loops in Python (one loop inside another loop)

**Advance Programs of Data Structures/numpy and pndas**

**Session 14**

1. Python Program for Linear Search Iterative Approach
2. Python program for implementation of Bubble Sort

**Session 15**

1. Python Program for Insertion Sort
2. Python Program for Recursive Insertion Sort

**Session 16**

1. Python program for linear search
2. Python program to compute the eigenvalues and right eigenvectors of a given square array using NumPY?

**Session 17**

1. Python program to acess Data Along Multiple Dimensions Arrays in Python Numpy
2. Python Pandas program for Merging, Joining, and Concatenating

**Session 18**

1. Python program to demonstrate stack implementation using list
2. Python program to demonstrate stack implementation using queue module

**Session 19**

1. Python program to implement queue
2. Python Program to Sort Words in Alphabetic Order

**Session 20**

1. Python Program to Transpose a Matrix
2. Python Program to Remove Punctuations From a String

**Session 21**

1. Python Program to Copy a File
2. Python Program to Concatenate Two Lists

**Session 22**

1. Python Program to Check if a Key is Already Present in a Dictionary
2. Python Program to Parse a String to a Float or Int

**Session 23**

1. Python Program to Convert String to Datetime
2. Python Program to Get the Last Element of the List

**Session 24**

1. Python Program to Convert Bytes to a String
2. Python Program to Remove Duplicate Element From a List

**Session 25**

1. Python Program to Count the Number of Occurrence of a Character in String

**Session 26**

1. Python Program to Compute the Power of a Number

**Session 27**

1. Python Program to Check the File Size

**Session 28**

1. Python Program to Iterate Through Two Lists in Parallel

**Session 29**

1. Python Program to Get the Full Path of the Current Working Directory

**Session 30**

1. Python Program to Return Multiple Values from a Function