LIST OF EXPERIMENTS

Experiment 1

(A) Write a python program to performs different (arithmetic, assignment, logical, identity and membership) operators on numbers.

(B) Write a python program to create a list and perform the following methods: insert(), remove(), append(), len(), pop() and clear()

(C) Create a tuple and perform the following methods: Add items, len(), check for item in tuple, Access iems.

Experiment 2

(A) Write a python program to that accepts length of three sides of a triangle as inputs. The program should indicate whether or not the triangle is a right angled triangle (use Pythagorean theorem).

(B) Write a python program to convert temperature to and from Celsius to Fahrenheit.

(C) Write a python Program to read a number and display corresponding day using if_elif_else.

Experiment 3

(A) Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included)

(B) Write a python program for nth multiple of a number is Fibonacci series

(C) Write a python program to find factorial of a given number using functions

Experiment 4

(A) Write a python program to print the transpose of a matrix.

(B) Write a python for find reminder of array multiplication divided by n.

Experiment 5

(A) Write a python program which accepts the radius of a circle from user and computes the area (use math module).

(B) Write a python program by using a numpy module to create an array and check the following: (i).Type of array (ii). Axes of array (iii). Shape of array(iv). Type of elements in array.

Experiment 6

(A) Write a python program to define a module and import a specific function in that module to another program.

(B) Write a python program to display a particular month of a year using calendar module.

(C) Write a python program to add some days to your present date and print the date added.

Experiment 7

(A) Write a python Program to display welcome to MMMUT by using classes and objects

(B) Write a program to read 3 subject marks and display pass or failed using class and object.

Experiment 8

(A) Write a python program that accept file name as input from the user. Open the file and count the number of times a character appears in the file.

(B) Write a program that inputs a text file. The program should print all of the unique words in the file in alphabetical order.

Experiment 9

(A) Write a python code to read a csv file using pandas module and print the first and last five lines of a file.

(B) Write a python program to get all rows in a pandas dataframe containing given substring.

Experiment 10

(A) Write a program to get five marks using list and display the marks in pie chart

(B) Write a Python programming to create a pie chart of gold medal achievements of five most successful countries in 2016 Summer Olympics. Read the data from a csv file.

Sample data:

medal.csv

country,gold_medal

United States,46

Great Britain,27

China,26

Russia,19

Germany,17

Experiment 11

(A) Write a python program to plot bar chart, histogram and pie chart by assuming your own data.

(B) Program to create CSV file and store empno,name,salary and search any empno anddisplay name,salary and if not found appropriate message.

Experiment 12

(A) Write a Python program to implement Simple Linear Regression

(B) Write a python program to implement Logistic Regression using sklearn