LIST OF EXPERIMENTS

1. Write "C" program for performing following operations on matrices. a. Accept two matrices from user and display their product if they are compatible else a suitable message. b. Finding min and max element in the resultant matrix. c. Finding sum of all the boundary elements of the resultant matrix.

2. Python installation, environment setup and Introduction to the IDE (any one from : IDLE, PyCharm, Spider etc.)

3. Write a program to compute distance between two points accepted from the user.

4. Write a program to calculate area of a triangle.

5. An ATM contains Indian Currency notes of 100,200,500 and 2000. Write a python program which calculates and displays the minimum number of notes required to be dispensed to meet the user's requirement.

6. You are given a number A which contains only digits 0's and 1's. Your task is to make all digits same by just flipping one digit (i.e. 0 to 1 or 1 to 0) only. If it is possible to make all the digits same by just flipping one digit then print 'YES' else print 'NO'.

7. Write a program to accept an year as input from the user and check if the given year is a leap year or not.

8. A positive integer m can be partitioned as primes if it can be written as p + q where p > 0, q > 0 and both p and q are prime numbers. Write a Python function primepartition(m) that takes an integer m as input and returns True if m can be partitioned as primes and False otherwise. (If m is not positive, your function should return False.)

9. Write a program that accepts % of marks from a user and displays grades as per the following rule a. marks>=90 grade is A b. marks >=80 grade is B c. marks>=70 grade is C d. marks>=60 grade is D e. others Fail"