# DATA SCEINCE & MACHINE LEARNING:

## LAB CYCLE 1

1. Program to Print all non-Prime Numbers in an Interval
2. Program to print the first N Fibonacci numbers.
3. Given sides of a triangle, write a program to check whether given triangle is an isosceles, equilateral or scalene.
4. Program to check whether given pair of number is coprime
5. Program to find the roots of a quadratic equation(rounded to 2 decimal places)
6. Program to check whether a given number is perfect number or not(sum of factors =number)
7. Program to display amstrong numbers upto 1000
8. Store and display the days of a week as a **List, Tuple, Dictionary, Set.** Also demonstrate different ways to store values in each of them. Display its type also.
9. Write a program to add elements of given 2 lists
10. Write a program to find the sum of 2 matrices using nested List.
11. Write a program to perform bubble sort on a given set of elements.
12. Program to find the count of each vowel in a string(use dictionary)
13. Write a Python program that accept a positive number and subtract from this number the sum of its digits and so on. Continues this operation until the number is positive(eg: 256->2+5+6=13
    256-13=243
    243-9=232........
14. Write a Python program that accepts a 10 digit mobile number, and find the digits which are absent in a given mobile number