MCA 5141 – Machine Learning Lab
Week - 1

1. Create Python program to find the average of 10 numbers using while loop
2. Create Python program to find the geometric mean of n numbers
3. Create Python program to check whether the given integer is a prime number or not
4. Create Python program to implement linear search and implement binary search
5. Using math package, Create Python program to find the area of a triangle whose sides are given

EXERCISE 1: - Introduction to Pandas

Data frame creation and manipulation

1. Create a data frame with details of 10 students and columns as Roll Number, Name, Gender, Marks1, Marks2, Marks3.
2. Create a new column with total marks
3. Find the lowest marks in Marks1
4. Find the Highest marks in Marks2
5. Find the average marks in Marks3
6. Find student name with highest average
7. Find how many students failed in Marks2 (<40)