**Assignment Problems: Day 1**

1. Write a Python program to check if a given number is prime or not.
2. Write a function to input a number below 50 and print it’s factorial.

The following 2 problems require access to the file named ‘Dataset\_Day1.csv’, provided with this assignment. [**Do Not Use Numpy/Pandas packages**]

1. Find the count of occurrence of each city in the dataset and create a dictionary such that the keys are the unique city names, and the values are their count of occurrence.
2. Create a set of all the cities with at-least one Apollo hospital.

Please Note

1. Save your solution notebook into a pdf
2. Name the pdf in the format:

Lab<>\_Day<>\_<SIC No.>\_AssignmentSolution.pdf

For example, a student with SIC No. 19MSMS15, who is in group Lab 2, submitting their Day 8 solution pdf must keep the file name as, **Lab2\_Day8\_19MSMS15\_AssignmentSolution.pdf**

1. Share the pdf as an attachment, **only to the email**: [ml1.syllogistek@gmail.com](mailto:ml1.syllogistek@gmail.com)  
   with Subject line: “Lab<>\_Day<>\_<SIC No.>\_AssignmentSolution”

The Subject line for the same example would be **Lab2\_Day8\_19MSMS15\_AssignmentSolution**

**PLEASE NOTE: Do Not Share your solutions to any other email id, apart from** [ml1.syllogistek@gmail.com](mailto:ml1.syllogistek@gmail.com) .