**Assignment 3**

**Answer the following questions with respect to the attached dataset.**

**Submit python notebook with neatly written code on the Google classroom.**

**Question 1 (8 marks)**

Which offense occurs most frequently in the dataset?

What is the distribution of crimes across different days of the week (CVDOW)? Is there a specific day with the highest number of reported crimes?

What are the geographical coordinates (Lat, Lon) with the highest concentration of crimes?

Are there specific blocks or locations (Block\_Location) that are more prone to crimes?

**Question 1 (6 marks)**

Use Folium to create an interactive map displaying the locations of all crimes in the dataset. Each point on the map should represent a crime, with number of occurrences and type of offense information and the user should be able to click on the points for more details.