Project Description

The Hospital Patient Record Analyzer is a Python project that uses data from a file called hospital.json. The program will read, organize, and show information about hospital patients — such as how many times they visited and which doctors they met.

The main goal is to practice using **Python** and **JSON data** to create simple summaries and reports. This project will also help us learn how hospitals can use data to check patient activity and doctor performance.

### Dataset Information

Dataset Name**:** hospital.json  
 Contents:

* Patient name
* Age / gender (if applicable)
* Doctor/s consulted
* Number of hospital visits
* Reason for visit or department (optional field)
* Date of last visit

## **Planned Features**

### **Starter Features (from the guide):**

1. Count how many visits a patient has made.
2. List the doctors a patient has consulted.

### **Additional Features (our own ideas):**

1. Find the **most visited doctor**.
2. Find the **patient with the most visits**.
3. Get the **average number of visits per doctor**.

## Expected Output and Presentation

* Show results clearly
* Shows all inofrmation
* Show summaries like:  
  + Total number of patients
  + Top 3 most visited doctors
  + Average visits per patient
  + Doctor visit summaries

EXAMPLE OUTPUT

HOSPITAL PATIENT RECORD ANALYZER

Total Number of Patients: 10

Total Number of Doctors: 5

---------------------------------------------

Patient Name | Number of Visits | Doctors Consulted

Juan Dela Cruz | 12 | Dr. Santos, Dr. Reyes

Maria Lopez | 8 | Dr. Cruz

Pedro Ramirez | 5 | Dr. Santos

Ana Dizon | 9 | Dr. Lim, Dr. Reyes

Jose Tan | 3 | Dr. Cruz

Most Visited Doctor: Dr. Santos (Total Visits: 26)

Patient with the Most Visits: Juan Dela Cruz (12 visits)

Average Visits per Patient: 7.4

---------------------------------------------

Top 3 Most Visited Doctors

---------------------------------------------

1. Dr. Santos - 26 visits

2. Dr. Cruz - 18 visits

3. Dr. Reyes - 15 visits

---------------------------------------------

Most Common Department: General Medicine

Summary

This project will help organize and study hospital records using Python and JSON. It will show helpful summaries about patients and doctors — including **which patient visited the hospital the most times** — while helping us practice programming and data analysis.