

Project Part-1

CS586 - Introduction to Database Management Systems

Topic:

Hospital Data Management

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Introduction:

I have chosen a dataset of Hospital Management, one of the most important information that we must manage in our real time scenario.

Source:

<https://www.kaggle.com/datasets/rishidamarla/cancer-patients-data>

Tables:

Patients Table:

Appointments Table

Doctors Table

Medical Tests Table

Prescriptions Table

Inpatient Details Table:

Insurance Companies Table:

Billing Table:

Questions:

- 1) Which patients have appointments with Dr. Smith this week?
- 2) How many patients have visited the hospital this month?
- 3) What is the average age of male patients?
- 4) Which patients have been admitted to the hospital for more than 3 days?
- 5) Which patients have not visited the hospital in the last 6 months?
- 6) What are the top 5 most prescribed medications?
- 7) How many patients have a blood group of AB+?
- 8) What is the total amount charged for medical tests performed this year?
- 9) Which patients have undergone an MRI test?
- 10) How many patients have a medical condition that requires regular follow-up appointments?
- 11) Which doctors have treated the most patients this month?
- 12) What is the total revenue generated by the hospital in the last month?
- 13) What are the names of the doctors who have treated the most patients in the last quarter?
- 14) What is the average age of patients who have undergone surgery in the last year?
- 15) Which patients have visited the hospital more than 5 times in the last 6 months?
- 16) What is the most common reason for hospitalization among patients over 60 years of age?
- 17) How many patients have a chronic medical condition?

- 18) Which patients have received the same prescription for more than 6 months?
- 19) What is the average waiting time for patients to see a doctor?
- 20) Which doctors have the highest patient satisfaction rating?