**Hospital patient records-**

**PROJECT OVERVIEW-**

This project includes creation of a database “Hospital” which is designed to store and manage information about **patients, doctors, hospitals, and records**.

This database helps-

1. Keep record of patients and their diagnosis
2. Keep record of doctors and their area of expertise
3. Keep record of hospitals and their branches

**DATABASE DESIGN-**

Entities- patients, doctors, hospitals, and records.

Attributes- 1) patients- PatientID, Name, Age (**derived attribute from DOB**), DOB

2) Doctors- Doctor\_ID, Qualification, DOCName

3) Hospital- H\_no, Hname, Phone

4) Records **(weak entity)**- Recordno, RECDate, Diagnosis

Relationships- 1) Patient has a record.

2) Hospital maintains record.

3) Doctor works in a hospital.

4) Doctor treats a patient.

5) Patient is admitted in a hospital.

**Queries -**

Used meaningful queries such as:

1. **List patients older than 50.**

SELECT \* FROM patient

WHERE Age > 50;

1. **List doctors that have MD as their qualification.**

SELECT \* FROM Doctor

WHERE Qualification='MD';

1. **List patients with cancer**

SELECT \* FROM Records

WHERE Diagnosis='Cancer';

1. **List all Vedanta hospital branch**

SELECT \* FROM Hospital

WHERE Hname='Vedanta Hospital';

1. **List records entered today**

SELECT \* FROM Records

WHERE RECDate='2025-09-22';