### Ques a)

List the names of doctors who have treated more than 5 different patients

#### Query**:**

**select doctors.name from doctors inner join (Select Visits.Doctor\_id from Visits**

**Group by visits.doctor\_id Having count(Visits.Patient\_id)>5) sec**

**ON sec.doctor\_id = doctors.doctor\_id;**

### Ques b)

For each doctors , show the total revenue they generated from visit fees .

#### Query**:**

**select Doctors.Doctor\_id , doctors.name , Total\_Revenue doctors from Doctors inner join (Select Visits.Doctor\_id ,sum(fee) as Total\_Revenue from Visits**

**Group by visits.doctor\_id ) sec**

**ON sec.doctor\_id = doctors.doctor\_id**

**Order by Total\_Revenue;**

### Ques c)

**Find the name and age of the youngest patient who has diagnosed with ‘Diabetes’**

#### Query:

**Select Patients.Name , Patients.age**

**from Patients**

**inner join Visits**

**on Patients.Patient\_Id = Visits.Patient\_id**

**where Visits.Diagnosis = 'Diabetes'**

**order by Patients.age**

**fetch first 1 rows only;**

### Ques d)

**Display the specialty of the doctor who earned the highest total revenue.**

#### Query :

**select Speciality**

**from Doctors inner join Visits**

**on Doctors.Doctor\_id = visits.Doctor\_id**

**group by visits.Doctor\_id , Doctors.Speciality**

**order by sum(fee) desc**

**fetch first 1 rows only;**

### Ques e)

**List the name of the patients who have never visited a doctor.**

#### Query:

**select Name , Patient\_id**

**from Patients**

**where Patients.Patient\_id**

**not in (select Patient\_id from visits group by patient\_id);**