Department of Computer Science

CSC202G2/CSC202S2-Computer Programming-II

In Course Assignment-I

Answer all question **Time: -2hours**

Create the database named ChestXrayDB.

Create the given tables and insert the values using sql statements.

Table: Xray_Reports

Report_id	Patient_id	Diagnosis	severity	Report_date
101	1	Lung Tumor	High	2024-01-15
102	1	Post Treatment Review	Medium	2024-03-20
103	2	Normal	Low	2024-02-05
104	3	Pneumonia	High	2024-01-20
105	3	Follow-up Pneumonia	Medium	2024-02-18
106	4	Bronchitis	Low	2024-03-01
107	5	Lung Infection	Medium	2024-01-30
108	6	Suspected TB	High	2024-02-25
109	7	Chronic Lung Disease	High	2024-01-10
110	7	Routine Checkup	Low	2024-04-05
111	8	Normal	Low	2024-03-12
112	9	Pulmonary Edema	High	2024-02-08
113	10	Pneumonia	Medium	2024-01-18
114	10	Recovery Assessment	Low	2023-03-22

Table: Patients

Patient_Id	Patient_Name	Age	Gender	City
1	Rahul Sharma	45	Male	Delhi
2	Anita Verma	38	Female	Mumbai
3	Suresh Kumar	60	Male	Chennai
4	Priya Singh	29	Female	Bangalore
5	Amit Patel	52	Male	Ahmedabad
6	Neha Gupta	34	Female	Pune
7	Ramesh Rao	67	Male	Hyderabad
8	Kavita Nair	41	Female	Delhi
9	Vikram Joshi	55	Male	Jaipur
10	Sunita Das	48	Female	Kolkata

1. Retrieve all patients ordered by age in ascending order
2. Retrieve each diagnosis from the Xray_Reports table
3. Count the number of reports for each patient
4. Retrieve all X-ray reports with High severity.
5. Retrieve patients whose age is greater than the average age of all patients.
6. Find all patients who belong to the city Delhi.
7. Find patient details whose name starts with ‘R’
8. Retrieve patients whose age is between 30 and 50
9. Display report details whose severity is not equal to 'Low'
10. Count the number of reports whose date is later than ‘2024-02-08’
11. Display cities having more than 2 patients
12. Find the second oldest patient
13. Update severity from 'Medium' to 'High' for pneumonia cases
14. Delete reports generated in the year 2023
15. Retrieve the first 3 most recent X-ray reports