

Department of Computer Science and EngineeringCS6106-
Database Management Systems
Week – 6(March 06, 2023)
Sem/Batch : IV/N & Q

1. Create relations with appropriate data types and integrity constraints and populate the database with sufficient tuples in each table.

PEOPLE (Adhar-id, name, Address, age, Gender)

PATIENT (*pid*, Adhar-id, pname, age, gender, city, Date-of-admn, H-code)

TEST (Adar-id, tid, DoT, result)

HOSPITAL (H-code, H-name, patient-count, capacity, city, pincode)

2. Using order by and aggregate function
 - a. Sort the records in people relation by ascending order of their names, patient relation in such a way that the recent admission comes first.
 - b. Show the detail of youngest and eldest patient diseased.
 - c. Find the average age of patient affected
 - d. Display the total number of test taken on a specific date.
 - e. Display the total number of tested positive cases from each city
 - f. Display the total number of Female and Male tested positive cases
3. Using join queries, execute the following:
 - a. Find people who are all affected and admitted in hospital as patient using inner join
 - b. Show all people along with details if they are patient otherwise null using left join
 - c. List hospitals name and city with patient adhar id who are admitted in it
 - d. List the patient details who are having positive result on covid test.
4. Create Views
 - a. Create view that shows patients from a particular city
 - b. Create view that selects every adhar-id in the test table with age above 50
5. Using TCL Commands
 - a. Update the patient database with new patients for covid and non covid cases based on test results.
 - b. Rollback the patient database excluding non covid cases.