1.Create the tables SALESMAN (Salesman\_id, Name, City, Commission), CUSTOMER (Customer\_id, Cust\_Name, City, Grade,Salesman\_id), ORDERS (Ord\_No, Purchase\_Amt, Ord\_Date, Customer\_id, Salesman\_id)

1. Find the name and numbers of all salesmen who had more than one customer.
2. List all salesmen and indicate those who have and don’t have customers in their cities (Use UNION operation.)
3. Create a view that finds the salesman who has the customer with the highest order of a day.
4. Perform the DELETE operation by removing salesman with id 1000. All his orders must also be deleted.

1.1.Develop an application for student information system.

2. Consider the schema for College Database:

STUDENT (*RegNo, StudName, Address, Phone, Gender*) SUBJECT (*Subcode, Title, Sem, Credits*)

MARKS (*RegNo, Subcode, Test1, Test2, Test3, Finalmark*)

* 1. Compute the total number of male and female students in each semester and in each section.
  2. Calculate the *Finalmark* (average of best two test marks) and update the corresponding table for all students.
  3. Categorize students based on the following criterion: If *Finalmark* = 81 to 100 then CAT = ‘Outstanding’ If *Finalmark* = 51 to 80 then CAT = ‘Average’

If *Finalmark* < 51 then CAT = ‘Weak

* 1. Create a view of Test3 marks of particular student in all subjects.
  2. Demonstrate the procedure for adding records to student table for the above Database.

3.Create table as Bank ( S.No,Cust\_Name, Acc\_No, Balance, Branch),

1. Select customer names whose balance is less than 1000.
2. Select with comparison operator
3. Update the balance in the second row.
4. Select customer names with between operator in the field balance between 4000 and 6000.
5. Write a trigger when balance is below 1000, delete the record.

3.1.Develop GUI for supermarket.

4.a) Create and insert records in the flight and passenger tables, and then use various ­­­ join operations to display the records.

b) Write a procedure to display month name while passing the month as number parameter.(Example: if pass parameter as 1 it should display as January.)

5.

a) Create a Product, Sales and purchase table using DDL and DML commands

b)Create a procedure to add 20 records to each table in the database mentioned above.

6. Create the following tables,

Event (eventid, name, description,city)

Participant (playerid, name, eventid, gender, year)

Prizes (prizeid, prize-money, eventid, rank,year)

Winners (prizeid, playerid)

1. Choose appropriate primary keys and foreign keys for the tables.

2.Playerid should contain at least one digit character.

3.Retrieve the name of events where all prize winners are females

4.Create a non-updatable view to retrieve the names of all participants who won 1st prizes along with their event names

5.Write a trigger to make sure that for every new event created, 3 prizes are created in prizes table. (1st prize - 1500, 2nd - 1000, 3rd 500)

7.Consider the schema for Movie Database:

ACTOR (Act\_id, Act\_Name, Act\_Gender)

DIRECTOR (Dir\_id, Dir\_Name, Dir\_Phone)

MOVIES (Mov\_id, Mov\_Title, Mov\_Year, Mov\_Lang, Dir\_id)

MOVIE\_CAST (Act\_id, Mov\_id, Role)

6. List the titles of all movies directed by ‘XXXX’.

7. Find the movie names where one or more actors acted in two or more movies.

8. List all actors who acted in a movie before 2010 and also in a movie after 2015

(use JOIN operation).

9. Create a view of movies with a particular actor with director.

10. Create a trigger when an actor name is deleted ,this reflects in the cast table also.

8.Consider the following tables namely “DEPARTMENTS” and “EMPLOYEES” Departments (dept \_\_no , dept\_ name , dept\_location ),

Employees ( emp\_id , emp\_name , emp\_salary,dept\_no).

1. Choose appropriate primary keys and foreign keys for the tables.

2..Retrieve the name of employees whose salary is greater than I lakh

3..Retrieve the department of employees whose salary is greater than one lakh

4. Perform left outer join and right outer join in tables.

Write a trigger to automatically increase the salary of employees in CSE department.