**Practical no 2**

1. Count the customers with grades above Bangalore’s average.

A screen shot of a computer

Description automatically generated

2. Find the name and numbers of all salesmen who had more than one customer

A computer screen shot of a black screen

Description automatically generated

3. List all salesmen and indicate those who have and don’t have customers in their cities (Use UNION operation.

A screenshot of a computer screen

Description automatically generated

4. Create a view that finds the salesman who has the customer with the highest order of a day.

A computer screen shot of a black screen

Description automatically generated

5. Demonstrate the DELETE operation by removing salesman with id 1000. All his orders must also be deleted A black screen with white text

Description automatically generated

Q2) Design ERD for the following schema and execute the following Queries on it: 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) RATING (Mov\_id, Rev\_Stars)

A black screen with white text

Description automatically generated

A black screen with white text

Description automatically generated

A screen shot of a computer

Description automatically generated

A screen shot of a computer code

Description automatically generated

A screen shot of a computer code

Description automatically generated

A screen shot of a computer

Description automatically generated

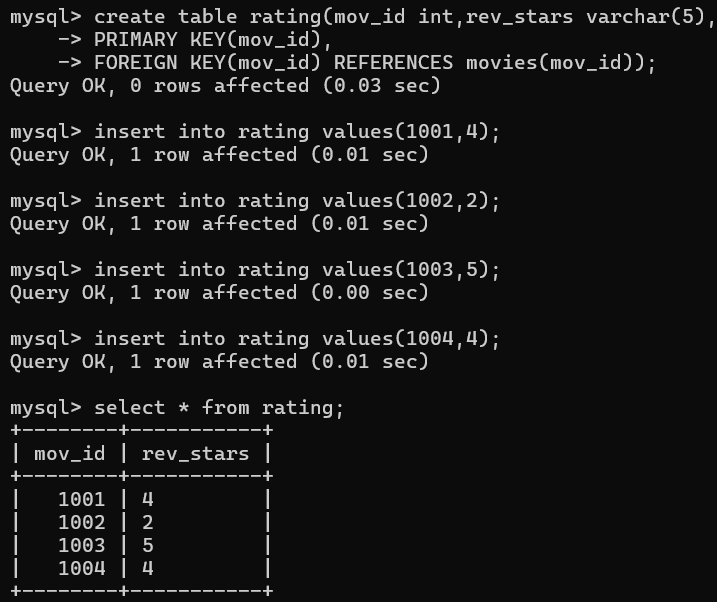
A screen shot of a computer program

Description automatically generated

A screen shot of a computer

Description automatically generatedA screen shot of a computer

Description automatically generated



A screenshot of a computer program

Description automatically generated

Write SQL queries

1. 1. A screen shot of a computer

   Description automatically generatedList the titles of all movies directed by ‘Hitchcock’.
2. Find the movie names where one or more actors acted in two or more movies.

A computer screen with white text

Description automatically generated

1. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).

A computer screen with white text

Description automatically generated

1. Find the title of movies and number of stars for each movie that has at least one rating and find the highest number of stars that movie received. Sort the result by movie title.

A screen shot of a computer

Description automatically generated

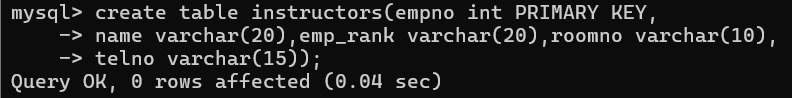
5.Update rating of all movies directed by ‘Steven Spielberg’ to 5.

A screen shot of a computer code

Description automatically generated

**3. Design ERD for the following schema and execute the following Queries on it:**

A black screen with white text

Description automatically generatedA computer screen with white text

Description automatically generatedA screenshot of a computer screen

Description automatically generated

A screen shot of a computer

Description automatically generated

A screen shot of a computer program

Description automatically generatedA screen shot of a computer

Description automatically generatedA screenshot of a computer program

Description automatically generated

**For odd roll numbers(any 10 )**

1. Find the names of students who took some four-credit courses.

A screenshot of a computer program

Description automatically generated

1. Find the names of students who took every four-credit course.

A computer screen with white text

Description automatically generated

1. Find the names of students who took a course with an instructor who is also their advisor.

A computer screen with white text

Description automatically generated

1. Find the names of students who took cs210 and cs310.

A screen shot of a computer

Description automatically generated

1. A computer screen with white text

   Description automatically generatedFind the names of all students whose advisor is not a full professor.
2. Find instructors who taught students who are advised by another instructor who shares the same room.

A computer screen with white text

Description automatically generated

1. Find course numbers for courses that enroll exactly two students

A screen shot of a computer code

Description automatically generated

1. Find the names of all students for whom no other student lives in the same city.

A computer screen with white text

Description automatically generated

1. Find course numbers of courses taken by students who live in Boston and which are taught by an associate professor.

A black background with white text

Description automatically generated

1. A computer screen with white text

   Description automatically generatedFind the names of all students whose advisor is not a full professor.
2. Find instructors who taught students who are advised by another instructor who shares the same room.

A computer screen with white text

Description automatically generated

1. Find course numbers for courses that enroll exactly two students

A screen shot of a computer code

Description automatically generated

1. Find the names of all students for whom no other student lives in the same city.

A computer screen with white text

Description automatically generated

1. Find course numbers of courses taken by students who live in Boston and which are taught by an associate professor.

A black background with white text

Description automatically generated

1. Find the telephone numbers of instructors who teach a course taken by any student who lives in Boston.

A black background with white text

Description automatically generated

1. Find names of students who took every course taken by Richard Pierce.

A computer screen with white text

Description automatically generated

1. Find the names of students who took only one course.

A black screen with white text

Description automatically generated

1. Find the names of instructors who teach no course.

A black screen with white text

Description automatically generated

1. Find the names of the instructors who taught only one course during the spring semester of 2001.

A black background with white text

Description automatically generated

**For even roll numbers(any 10)**

* 1. Find the names of students who took only four-credit courses.

A black background with white text

Description automatically generated

* 1. Find the names of students who took no four-credit courses.

A computer screen with white text

Description automatically generated

* 1. Find the names of students who took cs210 or cs310.

A screenshot of a computer

Description automatically generated

* 1. Find names of all students who have a cs210 grade higher than the highest grade given in cs310 and did not take any course with Prof. Evans.

A black screen with white text

Description automatically generated

* 1. Find course numbers for courses that enrol at least two students; solve the same query for courses that enroll at least three students.

A computer screen shot of a black screen

Description automatically generatedA screen shot of a computer

Description automatically generated

* 1. Find the names of students who obtained the highest grade in cs210.

A screen shot of a computer

Description automatically generated

* 1. Find the names of instructors who teach courses attended by students who took a course with an instructor who is an assistant professor.

A computer screen with white text

Description automatically generated

* 1. Find the lowest grade of a student who took a course during the spring of 2003.

A black screen with white text

Description automatically generated

* 1. Find the names for students such that if prof. Evans teaches a course, then the student takes that course (although not necessarily with prof. Evans).

A black screen with white text

Description automatically generated

* 1. Find the names of students whose advisor did not teach them any course.

A black screen with white text

Description automatically generated

* 1. Find the names of students who have failed all their courses (failing is defined as a grade less than 60).

A black screen with white text

Description automatically generated

* 1. Find the highest grade of a student who never took cs110.

A black screen with white text

Description automatically generated

* 1. Find the names of students who do not have an advisor.

A black background with white text

Description automatically generated

* 1. Find names of courses taken by students who do not live in Massachusetts (MA).

A black screen with white text

Description automatically generated