DBMS LAB REPORT 2

Mallika Prasad

1BM19CS081

Lab 6

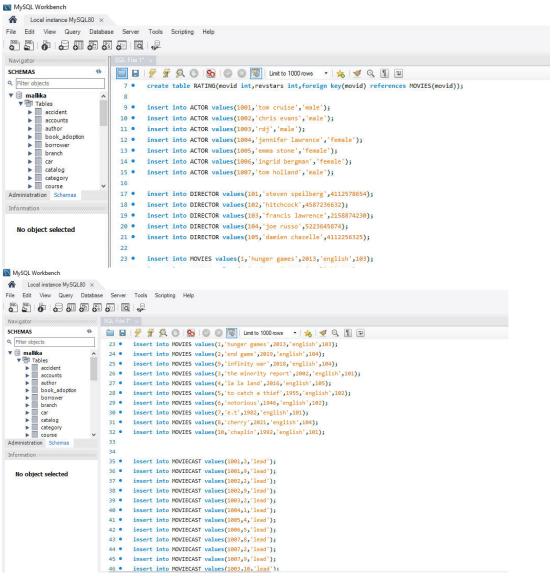
MOVIE Database

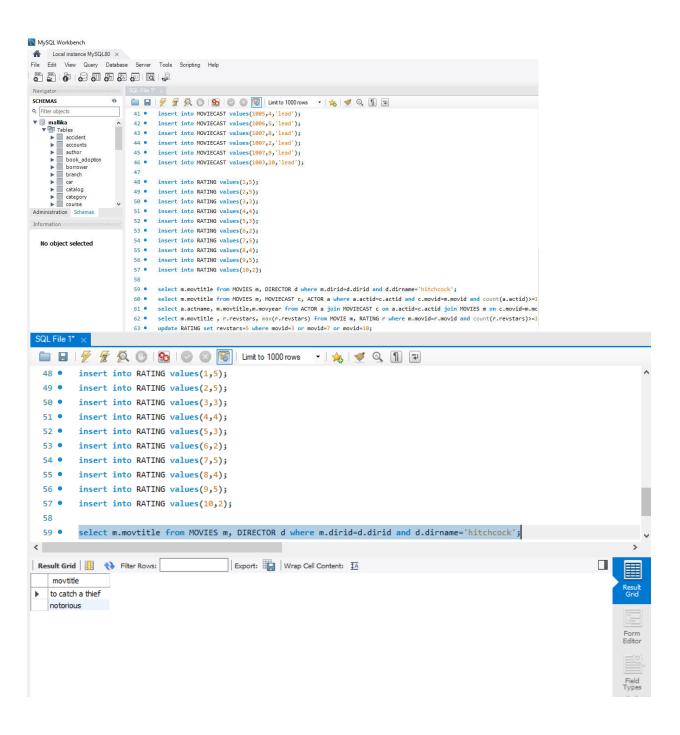
```
use mallika;
create table ACTOR(actid int, actname varchar(30), actgender varchar(30), primary key(actid));
create table DIRECTOR(dirid int,dirname varchar(30),dirphone int,primary key(dirid));
alter table DIRECTOR modify column dirphone varchar(30);
create table MOVIES(movid int, movtitle varchar(50), movyear int, movlang varchar(30), dirid int, primary
key(movid), foreign key(dirid) references DIRECTOR(dirid));
create table MOVIECAST(actid int, movid int, role varchar(30), foreign key(actid) references
ACTOR(actid), foreign key(movid) references MOVIES(movid));
create table RATING(movid int, revstars int, foreign key(movid) references MOVIES(movid));
insert into ACTOR values(1001, 'tom cruise', 'male');
insert into ACTOR values(1002, 'chris evans', 'male');
insert into ACTOR values(1003,'rdj','male');
insert into ACTOR values(1004, 'jennifer lawrence', 'female');
insert into ACTOR values(1005, 'emma stone', 'female');
insert into ACTOR values(1006, 'ingrid bergman', 'female');
insert into ACTOR values(1007, 'tom holland', 'male');
```

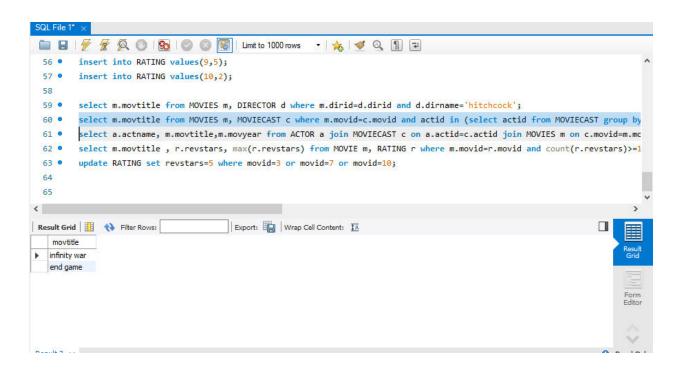
```
insert into DIRECTOR values(101, 'steven speilberg', 4112578654);
insert into DIRECTOR values(102, 'hitchcock', 4587236632);
insert into DIRECTOR values(103, 'francis lawrence', 2158874230);
insert into DIRECTOR values(104, 'joe russo', 5223645874);
insert into DIRECTOR values(105, 'damien chazelle', 4112256325);
insert into MOVIES values(1, 'hunger games', 2013, 'english', 103);
insert into MOVIES values(2,'end game',2019,'english',104);
insert into MOVIES values(9, 'infinity war', 2018, 'english', 104);
insert into MOVIES values(3, 'the minority report', 2002, 'english', 101);
insert into MOVIES values(4, la la land', 2016, english', 105);
insert into MOVIES values(5, 'to catch a thief', 1955, 'english', 102);
insert into MOVIES values(6, 'notorious', 1946, 'english', 102);
insert into MOVIES values(7,'e.t',1982,'english',101);
insert into MOVIES values(8,'cherry',2021,'english',104);
insert into MOVIES values(10, 'chaplin', 1992, 'english', 101);
insert into MOVIECAST values(1001,3,'lead');
insert into MOVIECAST values(1001,9,'lead');
insert into MOVIECAST values(1002,2,'lead');
insert into MOVIECAST values(1002,9,'lead');
insert into MOVIECAST values(1003,2,'lead');
insert into MOVIECAST values(1004,1,'lead');
insert into MOVIECAST values(1005,4,'lead');
```

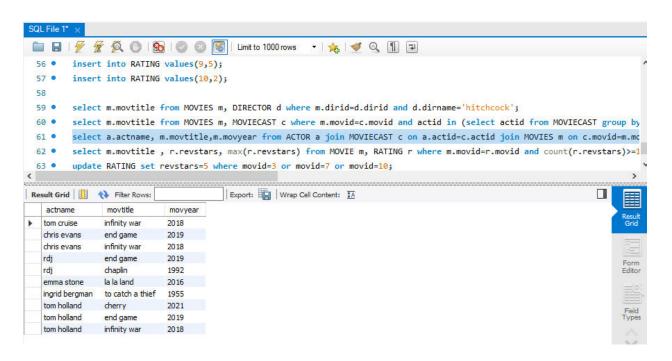
```
insert into MOVIECAST values(1006,5,'lead');
insert into MOVIECAST values(1007,8,'lead');
insert into MOVIECAST values(1007,2,'lead');
insert into MOVIECAST values(1007,9,'lead');
insert into MOVIECAST values(1003,10,'lead');
insert into RATING values(1,5);
insert into RATING values(2,5);
insert into RATING values(3,3);
insert into RATING values(4,4);
insert into RATING values(5,3);
insert into RATING values(6,2);
insert into RATING values(7,5);
insert into RATING values(8,4);
insert into RATING values(9,5);
insert into RATING values(10,2);
select m.movtitle from MOVIES m, DIRECTOR d where m.dirid=d.dirid and d.dirname='hitchcock';
select m.movtitle from MOVIES m, MOVIECAST c where m.movid=c.movid and actid in (select actid from
MOVIECAST group by actid having count(actid)>1) group by movtitle having count(movtitle)>1;
select a.actname, m.movtitle, m.movyear from ACTOR a join MOVIECAST c on a.actid=c.actid join
MOVIES m on c.movid=m.movid where m.movyear and m.movyear not between 2000 and 2015;
select m.movtitle, r.revstars, max(r.revstars) from MOVIES m, RATING r where m.movid=r.movid and
count(r.revstars)>=1 order by m.movtitle;
select movtitle, max(revstars) from MOVIES inner join RATING using (movid) group by movtitle having
max(revstars)>0 order by movtitle;
update RATING set revstars=5 where movid=3 or movid=7 or movid=10;
```

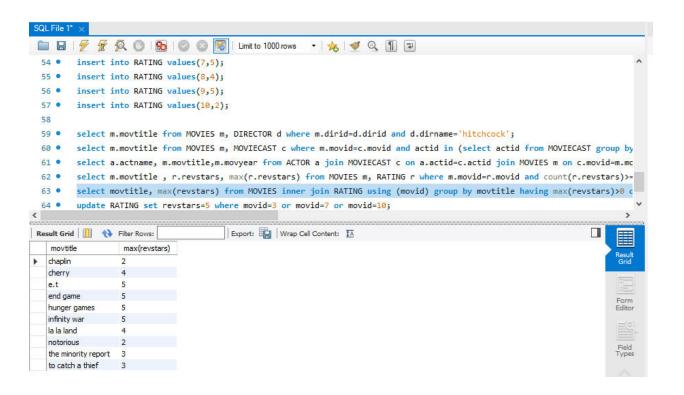
select * from RATING;

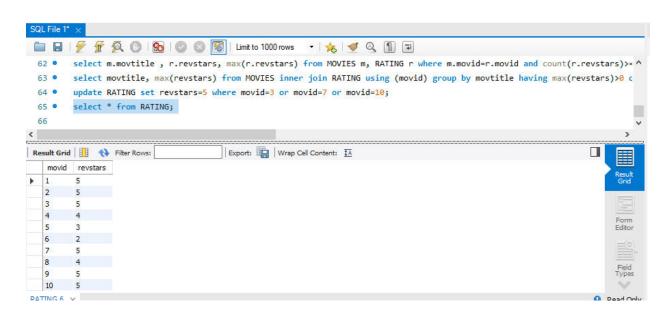












AIRLINES Database

(1,'Airbus 380',1000),

(2, 'Boeing 737', 4000),

(3,'Lockheed',5500),

```
use mallika;
create table FLIGHTS(flno int,fromm varchar(30),too varchar(30),distance int,departs time,arrives time,
price int,primary key(flno));
create table AIRCRAFT(aid int, aname varchar(30), cruising range int, primary key(aid));
create table CERTIFIED(eid int,aid int,foreign key(eid) references EMPLOYEE(eid), foreign key(aid)
references AIRCRAFT(aid));
create table EMPLOYEE(eid int, ename varchar(30), salary int, primary key(eid));
INSERT INTO FLIGHTS (flno, fromm, too, distance, departs, arrives, price) VALUES
(1,'Bangalore','Chennai',360,'08:45','10:00',10000),
(2, 'Bangalore', 'Delhi', 1700, '12:15', '15:00', 37000),
(3,'Bangalore','Kolkata',1500,'15:15','05:25',30000),
(4,'Mumbai','Delhi',1200,'10:30','12:30',28000),
(5, 'Bangalore', 'New york', 14000, '05: 45', '02: 30', 90000),
(6,'Delhi','Chicago',12000,'10:00','05:45',95000),
(7,'Bangalore','Frankfurt',15000,'12:00','06:30',98000),
(8,'Madison','New york',1500,'10:15','14:25',30000);
INSERT INTO AIRCRAFT (aid, aname, cruising range) values
```

```
(4,'Airbus A220',9500),
    (5,'Boeing 747',800),
    (6,'Douglas DC3',900);
INSERT INTO EMPLOYEE (eid,ename,salary) VALUES
(1,'Zoya',95000),
(2,'Akshay',65000),
(3,'Niveditha',70000),
(4,'Safan',45000),
(5,'Peter',95000),
(6,'Nayan',100000),
(7,'Ajay',50000);
INSERT INTO CERTIFIED (eid,aid) VALUES
(1,1),
(1,3),
(1,4),
(5,4),
(5,3),
(1,2),
(2,6),
(2,5),
(4,5),
```

(6,4),	
(6,3),	
(3,6),	
(3,2);	

SELECT DISTINCT A.aname FROM AIRCRAFT A WHERE A.aid IN (SELECT C.aid FROM CERTIFIED C, EMPLOYEE E WHERE C.eid = E.eid AND NOT EXISTS (SELECT * FROM EMPLOYEE E1 WHERE E1.eid = E.eid AND E1.salary < 80000));

SELECT C.eid, MAX(A.cruisingrange) FROM CERTIFIED C, AIRCRAFT A WHERE C.aid = A.aid GROUP BY C.eid HAVING COUNT(*) > 3;

SELECT DISTINCT e.ename FROM EMPLOYEE e WHERE e.salary< (SELECT MIN(f.price) FROM FLIGHTS f WHERE f.fromm='Bangalore' AND f.too='Frankfurt');

SELECT a.aid,a.aname,AVG(e.salary) FROM AIRCRAFT a,CERTIFIED c,EMPLOYEE e WHERE a.aid=c.aid AND c.eid=e.eid AND a.cruisingrange>1000 GROUP BY a.aid,a.aname;

SELECT distinct e.ename FROM EMPLOYEE e,AIRCRAFT a,CERTIFIED c WHERE e.eid=c.eid AND c.aid=a.aid AND a.aname like 'Boeing%';

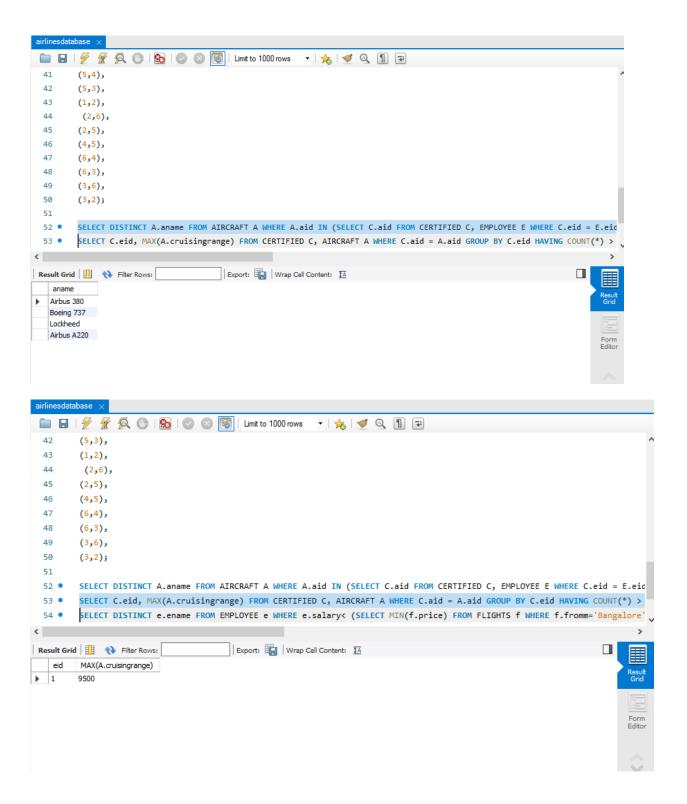
SELECT a.aid FROM AIRCRAFT a WHERE a.cruisingrange> (SELECT MIN(f.distance) FROM FLIGHTS f WHERE f.fromm='Bangalore' AND f.too='Delhi');

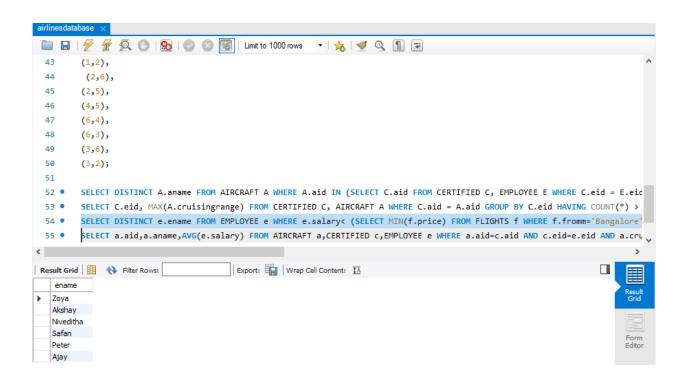
SELECT F.departs FROM FLIGHTS F WHERE F.flno IN (SELECT F0.flno FROM FLIGHTS F0 WHERE F0.fromm = 'Madison' AND F0.too = 'New york' AND F0.arrives < '18:00');

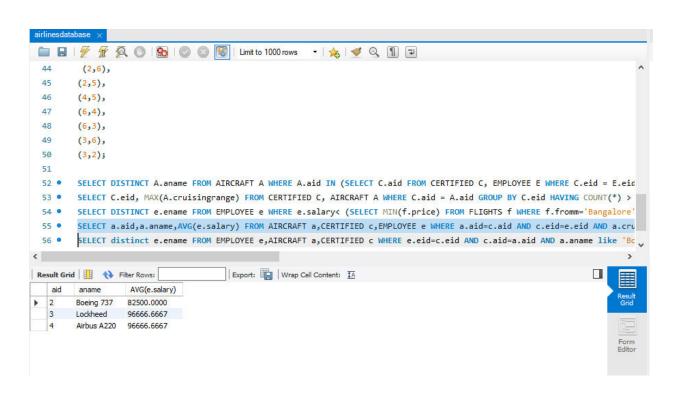
SELECT E.ename, E.salary FROM EMPLOYEE E WHERE E.eid NOT IN (SELECT DISTINCT C.eid FROM CERTIFIED C) AND E.salary > (SELECT AVG (E1.salary) FROM EMPLOYEE E1 WHERE E1.eid IN (SELECT DISTINCT C1.eid FROM CERTIFIED C1));

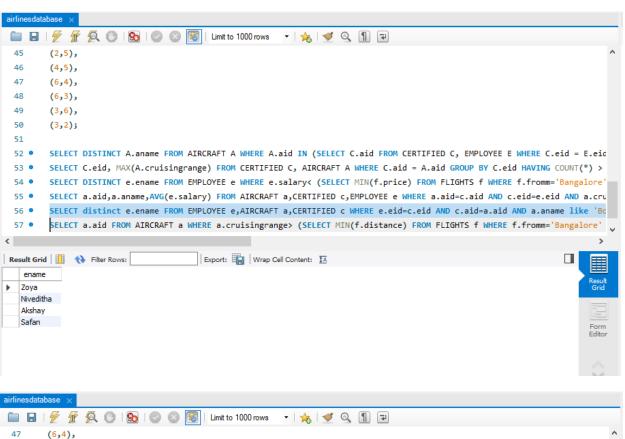
```
6
 7 .
      INSERT INTO FLIGHTS (flno, fromm, too, distance, departs, arrives, price) VALUES
 8
        (1, 'Bangalore', 'Chennai', 360, '08:45', '10:00', 10000),
        (2, 'Bangalore', 'Delhi', 1700, '12:15', '15:00', 37000),
 9
10
        (3, 'Bangalore', 'Kolkata', 1500, '15:15', '05:25', 30000),
        (4, 'Mumbai', 'Delhi', 1200, '10:30', '12:30', 28000),
11
        (5, 'Bangalore', 'New york', 14000, '05:45', '02:30', 90000),
12
        (6, 'Delhi', 'Chicago', 12000, '10:00', '05:45', 95000),
13
14
       (7, 'Bangalore', 'Frankfurt', 15000, '12:00', '06:30', 98000),
15
        (8, 'Madison', 'New york', 1500, '10:15', '14:25', 30000);
16
17
       INSERT INTO AIRCRAFT (aid, aname, cruising range) values
18 •
19
               (1, 'Airbus 380',1000),
               (2, 'Boeing 737',4000),
20
21
                (3, 'Lockheed', 5500),
22
               (4, 'Airbus A220',9500),
               (5, 'Boeing 747',800),
23
24
               (6, 'Douglas DC3',900);
25
26
27 .
       INSERT INTO EMPLOYEE (eid, ename, salary) VALUES
28
       (1, 'Zoya', 95000),
```

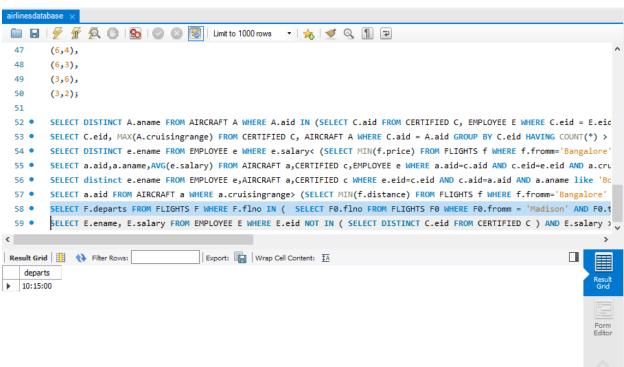
```
🚞 🖫 | 🚰 👰 👰 🔘 | 🚳 | 💿 💿 🔞 | Limit to 1000 rows 🕝 🚖 🝼 🔍 🗻 🖘
26
27 •
      INSERT INTO EMPLOYEE (eid, ename, salary) VALUES
28
      (1, 'Zoya', 95000),
29
       (2, 'Akshay',65000),
30
      (3,'Niveditha',70000),
       (4, 'Safan', 45000),
31
32
       (5, 'Peter', 95000),
33
       (6, 'Nayan', 100000),
34
       (7,'Ajay',50000);
35
36
37 • INSERT INTO CERTIFIED (eid, aid) VALUES
38
       (1,1),
39
       (1,3),
40
       (1,4),
       (5,4),
41
42
       (5,3),
       (1,2),
44
        (2,6),
45
       (2,5),
       (4,5),
46
47
       (6,4),
48
       (6,3),
       (3.6).
49
```

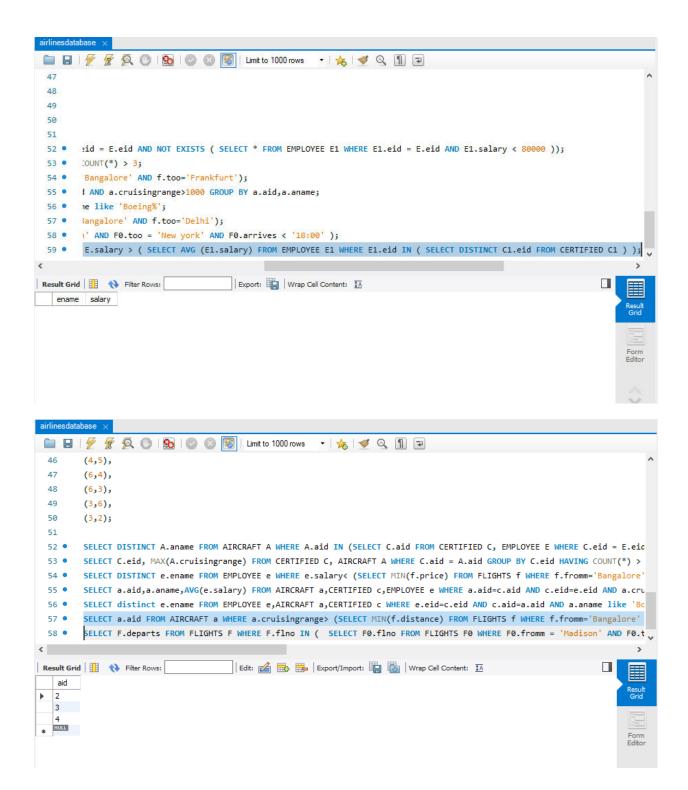












SUPPLIER Database

```
use mallika;
create table Suppliers
(sid int,
sname varchar(30),
address varchar(30),
primary key(sid));
create table Parts
(pid int,
pname varchar(30),
color varchar(15),
primary key(pid));
create table Catalogs
(sid int,
pid int,
cost float,
primary key(sid,pid),
foreign key(sid) references suppliers(sid),
foreign key(pid) references parts(pid));
```

```
insert into Suppliers
values(10001,"Acme Widget","Bangalore"),
        (10002, "Johns", "Kolkata"),
   (10003,"Vimal","Mumbai"),
   (10004, "Reliance", "Delhi");
select * from suppliers;
insert into Parts
values(20001,"Book","Red"),
   (20002, "Pen", "Red"),
   (20003, "Pencil", "Green"),
   (20004, "Mobile", "Green"),
   (20005, "Charger", "Black");
select * from parts;
insert into Catalogs
values(10001,20001,10),
   (10001,20002,10),
   (10001,20003,30),
   (10001,20004,10),
   (10001,20005,10),
   (10002,20001,10),
   (10002,20002,20),
   (10003,20003,30),
```

```
(10004,20003,40);
select * from catalogs;
/* 1 - FIND THE PNAMES OF PARTS FOR WHICH THERE IS SOME SUPPLIER. */
SELECT DISTINCT P.PNAME
FROM PARTS P, CATALOGS C
WHERE P.PID = C.PID;
/* FIND THE SNAMES OF SUPPLIERS WHO SUPPLY EVERY PART */
SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
PARTS P WHERE NOT EXISTS (SELECT C.SID FROM CATALOGS C WHERE C.SID =
S.SID AND C.PID = P.PID));
/* FIND THE SNAMES OF SUPPLIERS WHO SUPPLY EVERY RED PART. */
SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
PARTS P WHERE P.COLOR = 'RED' AND (NOT EXISTS (SELECT C.SID FROM
CATALOGS C WHERE C.SID = S.SID AND C.PID = P.PID)));
```

/* FIND THE PNAMES OF PARTS SUPPLIED BY ACME WIDGET SUPPLIERS AND BY NO ONE ELSE */
SELECT P.PNAME FROM PARTS P, CATALOGS C, SUPPLIERS S WHERE P.PID

= C.PID AND C.SID = S.SID AND S.SNAME = 'ACME WIDGET' AND NOT EXISTS

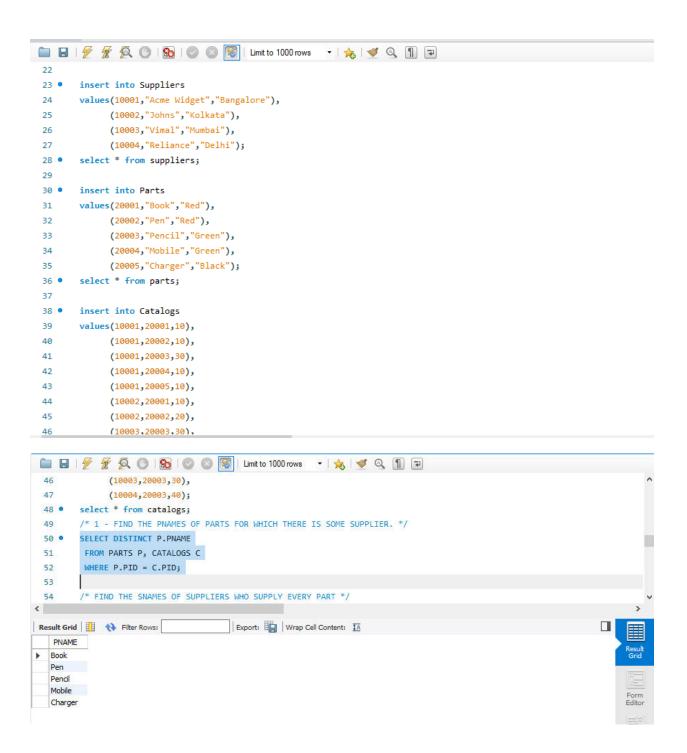
(SELECT * FROM CATALOGS C1, SUPPLIERS S1 WHERE P.PID = C1.PID AND

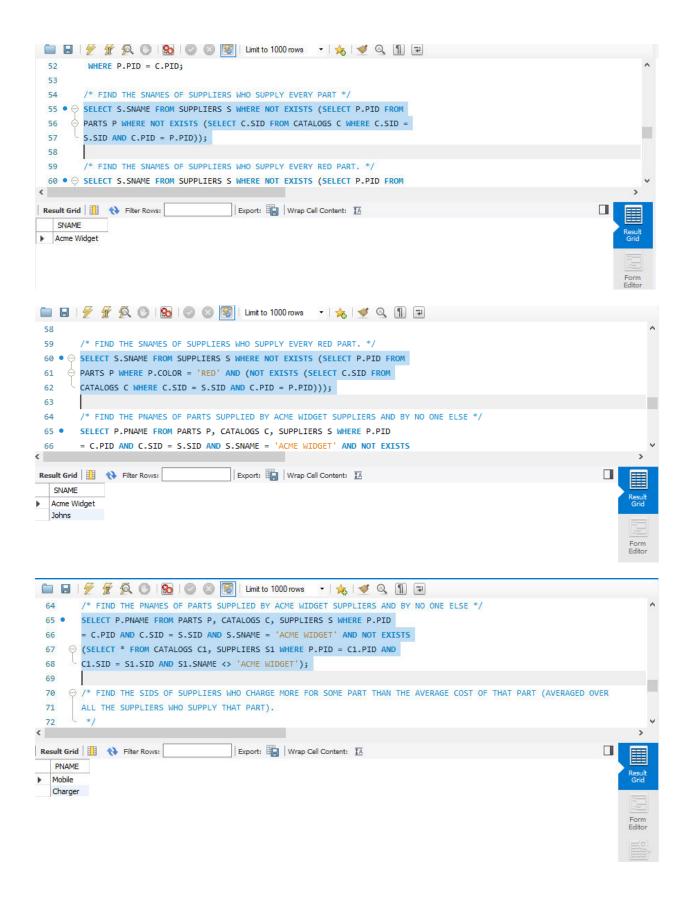
C1.SID = S1.SID AND S1.SNAME <> 'ACME WIDGET');

/* FIND THE SIDS OF SUPPLIERS WHO CHARGE MORE FOR SOME PART THAN THE AVERAGE COST OF THAT PART (AVERAGED OVER

ALL THE SUPPLIERS WHO SUPPLY THAT PART).

```
SELECT DISTINCT C.SID FROM CATALOGS C
WHERE C.COST > ( SELECT AVG (C1.COST)
FROM CATALOGS C1
WHERE C1.PID = C.PID );
/* FOR EACH PART, FIND THE SNAME OF THE SUPPLIER WHO CHARGES THE MOST FOR THAT PART.*/
SELECT P.PID, S.SNAME
FROM PARTS P, SUPPLIERS S, CATALOGS C
WHERE C.PID = P.PID
AND C.SID = S.SID
AND C.COST = (SELECT MAX(C1.COST)
FROM CATALOGS C1
WHERE C1.PID = P.PID);
/* FIND THE SIDS OF SUPPLIERS WHO SUPPLY ONLY RED PARTS.*/
SELECT DISTINCT C.SID
FROM CATALOGS C
WHERE NOT EXISTS ( SELECT *
FROM PARTS P
WHERE P.PID = C.PID AND P.COLOR <> 'RED' );
```







STUDENT-FACULTY Database

```
USE mallika;
CREATE TABLE STUDENTS(
SNUM INT,
SNAME VARCHAR(10),
MAJOR VARCHAR(2),
LVL VARCHAR(2),
AGE INT, PRIMARY KEY(SNUM));
CREATE TABLE FACULTY(
FID INT, FNAME VARCHAR(20),
DEPTID INT,
PRIMARY KEY(FID));
CREATE TABLE CLASS(
CNAME VARCHAR(20),
METTS_AT TIMESTAMP,
ROOM VARCHAR(10),
FID INT,
PRIMARY KEY(CNAME),
FOREIGN KEY(FID) REFERENCES FACULTY(FID));
```

```
CREATE TABLE ENROLLED(
SNUM INT,
CNAME VARCHAR(20),
PRIMARY KEY(SNUM, CNAME),
FOREIGN KEY(SNUM) REFERENCES STUDENTS(SNUM),
FOREIGN KEY(CNAME) REFERENCES CLASS(CNAME));
INSERT INTO STUDENTS VALUES(1, 'JHON', 'CS', 'SR', 19);
INSERT INTO STUDENTS VALUES(2, 'SMITH', 'CS', 'JR', 20);
INSERT INTO STUDENTS VALUES(3, 'JACOB', 'CV', 'SR', 20);
INSERT INTO STUDENTS VALUES(4, 'TOM', 'CS', 'JR', 20);
INSERT INTO STUDENTS VALUES(5, 'RAHUL', 'CS', 'JR', 20);
INSERT INTO STUDENTS VALUES(6, 'RITA', 'CS', 'SR', 21);
SELECT * FROM STUDENT;
INSERT INTO FACULTY VALUES(11, 'HARISH', 1000);
INSERT INTO FACULTY VALUES(12, 'MV', 1000);
INSERT INTO FACULTY VALUES(13, 'MIRA', 1001);
INSERT INTO FACULTY VALUES(14, 'SHIVA', 1002);
INSERT INTO FACULTY VALUES(15, 'NUPUR', 1000);
SELECT * FROM FACULTY:
INSERT INTO CLASS VALUES ('CLASS1', '12/11/15 10:15:16', 'R1', 14);
INSERT INTO CLASS VALUES ('CLASS10', '12/11/15 10:15:16', 'R128', 14);
INSERT INTO CLASS VALUES ('CLASS2', '12/11/15 10:15:20', 'R2', 12);
INSERT INTO CLASS VALUES('CLASS3', '12/11/15 10:15:25', 'R3', 11);
INSERT INTO CLASS VALUES ('CLASS4', '12/11/15 20:15:20', 'R4', 14);
```

```
INSERT INTO CLASS VALUES ('CLASS5', '12/11/15 20:15:20', 'R3', 15);
INSERT INTO CLASS VALUES ('CLASS6', '12/11/15 13:20:20', 'R2', 14);
INSERT INTO CLASS VALUES ('CLASS7', '12/11/15 10:10:10', 'R3', 14);
SELECT * FROM CLASS;
INSERT INTO ENROLLED VALUES(1, 'CLASS1');
INSERT INTO ENROLLED VALUES(2, 'CLASS1');
INSERT INTO ENROLLED VALUES(3, 'CLASS3');
INSERT INTO ENROLLED VALUES(4, 'CLASS3');
INSERT INTO ENROLLED VALUES(5, 'CLASS4');
INSERT INTO ENROLLED VALUES(1, 'CLASS5');
INSERT INTO ENROLLED VALUES(2, 'CLASS5');
INSERT INTO ENROLLED VALUES(3, 'CLASS5');
INSERT INTO ENROLLED VALUES(4, 'CLASS5');
INSERT INTO ENROLLED VALUES(5, 'CLASS5');
SELECT * FROM ENROLLED;
-- QUERY 1
SELECT DISTINCT S.SNAME
FROM STUDENTS S, CLASS C, ENROLLED E, FACULTY F
WHERE S.SNUM = E.SNUM AND E.CNAME = C.CNAME AND C.FID = F.FID AND
F.FNAME = 'HARISH' AND S.LVL = 'JR';
-- QUERY 2
SELECT DISTINCT CNAME
FROM CLASS
WHERE ROOM='ROOM128'
OR
```

```
CNAME IN (SELECT E.CNAME FROM ENROLLED E GROUP BY E.CNAME HAVING COUNT(*)>=5);
-- QUERY 3
SELECT DISTINCT S.SNAME
FROM STUDENTS S
WHERE S.SNUM IN (SELECT E1.SNUM
FROM ENROLLED E1, ENROLLED E2, CLASS C1, CLASS C2
WHERE E1.SNUM = E2.SNUM AND E1.CNAME <> E2.CNAME
AND E1.CNAME = C1.CNAME
AND E2.CNAME = C2.CNAME AND C1.METTS_AT = C2.METTS_AT);
-- QUERY 4
SELECT F.FNAME,F.FID
FROM FACULTY F
WHERE F.FID IN ( SELECT FID FROM CLASS
GROUP BY FID HAVING COUNT(*)=(SELECT COUNT(DISTINCT ROOM) FROM CLASS) );
-- QUERY 5
SELECT DISTINCT F.FNAME
FROM FACULTY F
WHERE 5 > (SELECT COUNT(E.SNUM)
FROM CLASS C, ENROLLED E
WHERE C.CNAME = E.CNAME
AND C.FID = F.FID);
-- QUERY 6
SELECT DISTINCT S.SNAME
FROM STUDENTS S
WHERE S.SNUM NOT IN (SELECT E.SNUM
```

```
FROM ENROLLED E );
-- QUERY 7

SELECT S.AGE, S.LVL

FROM STUDENTS S

GROUP BY S.AGE, S.LVL

HAVING S.LVL IN (SELECT S1.LVL

FROM STUDENTS S1

WHERE S1.AGE=S.AGE

GROUP BY S1.AGE, S1.LVL

HAVING COUNT(*) >= ALL (SELECT COUNT(*)

FROM STUDENTS S2
```

GROUP BY S2.LVL, S2.AGE))

WHERE S1.AGE=S2.AGE

ORDER BY S.AGE;

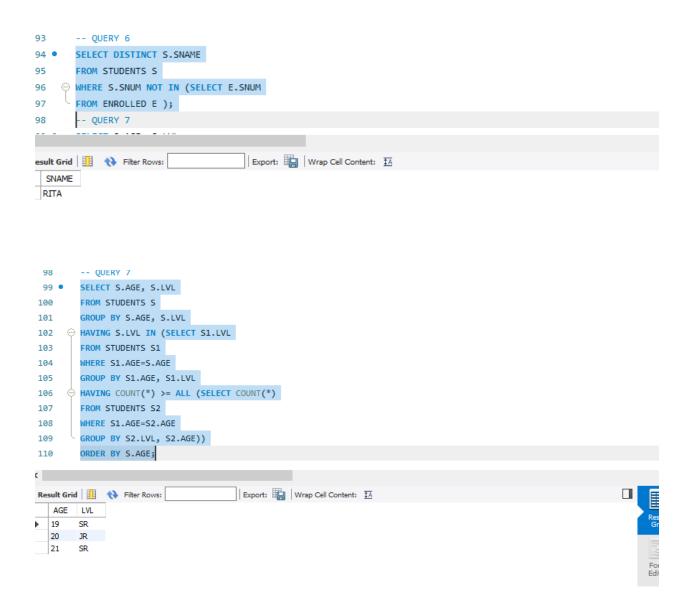
```
29 • INSERT INTO STUDENTS VALUES(1, 'JHON', 'CS', 'SR', 19);
 30 • INSERT INTO STUDENTS VALUES(2, 'SMITH', 'CS', 'JR', 20);
 31 • INSERT INTO STUDENTS VALUES(3 , 'JACOB', 'CV', 'SR', 20);
 32 • INSERT INTO STUDENTS VALUES(4, 'TOM', 'CS', 'JR', 20);
 33 • INSERT INTO STUDENTS VALUES(5, 'RAHUL', 'CS', 'JR', 20);
 34 • INSERT INTO STUDENTS VALUES(6, 'RITA', 'CS', 'SR', 21);
 35 • SELECT * FROM STUDENT;
 36 • INSERT INTO FACULTY VALUES(11, 'HARISH', 1000);
 37 • INSERT INTO FACULTY VALUES(12, 'MV', 1000);
 38 • INSERT INTO FACULTY VALUES(13, 'MIRA', 1001);
 39 • INSERT INTO FACULTY VALUES(14, 'SHIVA', 1002);
 40 • INSERT INTO FACULTY VALUES(15, 'NUPUR', 1000);
 41 • SELECT * FROM FACULTY;
 42 • INSERT INTO CLASS VALUES('CLASS1', '12/11/15 10:15:16', 'R1', 14);
 43 • INSERT INTO CLASS VALUES('CLASS10', '12/11/15 10:15:16', 'R128', 14);
 44 • INSERT INTO CLASS VALUES('CLASS2', '12/11/15 10:15:20', 'R2', 12);
 45 • INSERT INTO CLASS VALUES('CLASS3', '12/11/15 10:15:25', 'R3', 11);
 46 • INSERT INTO CLASS VALUES('CLASS4', '12/11/15 20:15:20', 'R4', 14);
 47 • INSERT INTO CLASS VALUES('CLASS5', '12/11/15 20:15:20', 'R3', 15);
 48 • INSERT INTO CLASS VALUES('CLASS6', '12/11/15 13:20:20', 'R2', 14);
 49 • INSERT INTO CLASS VALUES('CLASS7', '12/11/15 10:10:10', 'R3', 14);
 50 • SELECT * FROM CLASS;
```

```
□ □ □ | F F Q □ | So | ○ ○ ○ □ | Limit to 1000 rows
 49 • INSERT INTO CLASS VALUES('CLASS7', '12/11/15 10:10:10', 'R3', 14);
 50 • SELECT * FROM CLASS;
 51 • INSERT INTO ENROLLED VALUES(1, 'CLASS1');
 52 • INSERT INTO ENROLLED VALUES(2, 'CLASS1');
 53 • INSERT INTO ENROLLED VALUES(3, 'CLASS3');
 54 • INSERT INTO ENROLLED VALUES(4, 'CLASS3');
 55 • INSERT INTO ENROLLED VALUES(5, 'CLASS4');
  56 • INSERT INTO ENROLLED VALUES(1, 'CLASS5');
 57 • INSERT INTO ENROLLED VALUES(2, 'CLASS5');
 58 • INSERT INTO ENROLLED VALUES(3, 'CLASS5');
 59 • INSERT INTO ENROLLED VALUES(4, 'CLASS5');
 60 • INSERT INTO ENROLLED VALUES(5, 'CLASS5');
 61 • SELECT * FROM ENROLLED;
        THEFT INTO ENROLLED VALUES (4) CLASSE )
  J5 -
  60 •
        INSERT INTO ENROLLED VALUES(5, 'CLASS5');
        SELECT * FROM ENROLLED;
  61 •
  62
         -- QUERY 1
  63 • SELECT DISTINCT S.SNAME
         FROM STUDENTS S, CLASS C, ENROLLED E, FACULTY F
  64
  65
         WHERE S.SNUM = E.SNUM AND E.CNAME = C.CNAME AND C.FID = F.FID AND
         F.FNAME = 'HARISH' AND S.LVL = 'JR';
  66
         -- OUERY 2
  67
  68 • SELECT DISTINCT CNAME
  69
        FROM CLASS
        WHERE ROOM='ROOM128'
 Export: Wrap Cell Content: 1A
   SNAME
▶ TOM
       -- QUERY 2
68 • SELECT DISTINCT CNAME
       FROM CLASS
 69
       WHERE ROOM='ROOM128'
 70
71
       CNAME IN (SELECT E.CNAME FROM ENROLLED E GROUP BY E.CNAME HAVING COUNT(*)>=5);
72
       -- QUERY 3
73
74 •
      SELECT DISTINCT S.SNAME
75
       FROM STUDENTS S
    Edit: 🚄 📆 🖽 Export/Import: 🛄 🦝 Wrap Cell Content: 🟗
CNAME
 CLASS5
NULL
```

```
oυ
      MND EZICHAME - CZICHAME MND CIIMETTO_AT - CZIMETTO_ATJ)
       -- QUERY 4
81
82 •
      SELECT F.FNAME, F.FID
       FROM FACULTY F
83
    85
      GROUP BY FID HAVING COUNT(*)=(SELECT COUNT(DISTINCT ROOM) FROM CLASS) );
       -- QUERY 5
                                                                                                      | Edit: 🚄 🖶 | Export/Import: 🏣 👸 | Wrap Cell Content: 🖽
FNAME
       FID
 SHIVA
       NULL
 NULL
      GROUP BY FID HAVING COUNT(*)=(SELECT COUNT(DISTINCT ROOM) FROM CLASS) );
 85
        -- QUERY 5
 86
       SELECT DISTINCT F.FNAME
 87 •
 88
        FROM FACULTY F
     89
        FROM CLASS C, ENROLLED E
 90
        WHERE C.CNAME = E.CNAME
 91
        AND C.FID = F.FID);
 93
        -- QUERY 6
Export: Wrap Cell Content: IA
   FNAME
▶ HARISH
  MV
  MIRA
  SHIVA
       CNAME IN (SELECT E.CNAME FROM ENROLLED E GROUP BY E.CNAME MAVING COUNT(")>=5);
 73
       -- QUERY 3
       SELECT DISTINCT S.SNAME
 74 •
       FROM STUDENTS S
75
76

→ WHERE S.SNUM IN (SELECT E1.SNUM)

77
       FROM ENROLLED E1, ENROLLED E2, CLASS C1, CLASS C2
       WHERE E1.SNUM = E2.SNUM AND E1.CNAME <> E2.CNAME
 78
       AND E1.CNAME = C1.CNAME
       AND E2.CNAME = C2.CNAME AND C1.METTS_AT = C2.METTS_AT);
 80
 81
       -- QUERY 4
      SELECT F.FNAME.F.FID
                                  Export: Wrap Cell Content: TA
SNAME
RAHUL
```



COLLEGE Database

```
create database college;
use college;
CREATE TABLE STUDENT (
USN VARCHAR (10) PRIMARY KEY,
SNAME VARCHAR (25),
ADDRESS VARCHAR (25),
PHONE real,
GENDER CHAR (1));
CREATE TABLE SEMSEC (
SSID VARCHAR (5) PRIMARY KEY,
SEM INT,
SEC CHAR (1));
CREATE TABLE CLASS (
USN VARCHAR (10),
SSID VARCHAR (5), PRIMARY
KEY (USN, SSID),
FOREIGN KEY (USN) REFERENCES STUDENT (USN),
FOREIGN KEY (SSID) REFERENCES SEMSEC (SSID));
CREATE TABLE SUBJECT (
SUBCODE VARCHAR (8),
TITLE VARCHAR (20),
SEM INT,
```

```
CREDITS INT,
PRIMARY KEY (SUBCODE));
CREATE TABLE IAMARKS (
USN VARCHAR (10),
SUBCODE VARCHAR (8),
SSID VARCHAR(5),
TEST1 INT(2),
TEST2 INT(2),
TEST3 INT(2),
FINALIA INT (2),
PRIMARY KEY (USN, SUBCODE, SSID),
FOREIGN KEY (USN) REFERENCES STUDENT (USN),
FOREIGN KEY (SUBCODE) REFERENCES SUBJECT (SUBCODE),
FOREIGN KEY (SSID) REFERENCES SEMSEC (SSID));
INSERT INTO STUDENT VALUES('1RN13CS020','AKSHAY', 'BELAGAVI',8877881122,'M');
INSERT INTO STUDENT VALUES('1RN13CS062', 'SANDHYA', 'BENGALURU', 7722829912, F');
INSERT INTO STUDENT VALUES('1RN13CS091', 'TEESHA', 'BENGALURU', 7712312312, 'F');
INSERT INTO STUDENT VALUES('1RN13CS066', 'SUPRIYA', 'MANGALURU', 8877881122, 'F');
INSERT INTO STUDENT VALUES('1RN14CS010', 'ABHAY', 'BENGALURU', 9900211201, 'M');
INSERT INTO STUDENT VALUES('1RN14CS032','BHASKAR','BENGALURU',9923211099,'M');
INSERT INTO STUDENT VALUES ('1RN14CS025', 'ASMI', 'BENGALURU', 7894737377, F');
INSERT INTO STUDENT VALUES ('1RN15CS011', 'AJAY', 'TUMKUR', 9845091341, 'M');
INSERT INTO STUDENT VALUES ('1RN15CS029', 'CHITRA', 'DAVANGERE', 7696772121, 'F');
INSERT INTO STUDENT VALUES ('1RN15CS045', 'JEEVA', 'BELLARY', 9944850121, 'M');
INSERT INTO STUDENT VALUES ('1RN15CS091','SANTOSH','MANGALURU',8812332201,'M');
```

```
INSERT INTO STUDENT VALUES('1RN16CS045','ISMAIL','KALBURGI',9900232201,'M');
INSERT INTO STUDENT VALUES ('1RN16CS088', 'SAMEERA', 'SHIMOGA', 9905542212, 'F');
INSERT INTO STUDENT VALUES ('1RN16CS122', 'VINAYAKA', 'CHIKAMAGALUR', 8800880011, 'M');
INSERT INTO SEMSEC VALUES ('CSE8A', 8,'A');
INSERT INTO SEMSEC VALUES ('CSE8B', 8,'B');
INSERT INTO SEMSEC VALUES ('CSE8C',8,'C');
INSERT INTO SEMSEC VALUES ('CSE7A',7,'A');
INSERT INTO SEMSEC VALUES ('CSE7B',7,'B');
INSERT INTO SEMSEC VALUES ('CSE7C',7,'C');
INSERT INTO SEMSEC VALUES ('CSE6A',6,'A');
INSERT INTO SEMSEC VALUES ('CSE6B', 6, 'B');
INSERT INTO SEMSEC VALUES ('CSE6C', 6,'C');
INSERT INTO SEMSEC VALUES ('CSE5A', 5,'A');
INSERT INTO SEMSEC VALUES ('CSE5B', 5, 'B');
INSERT INTO SEMSEC VALUES ('CSE5C', 5,'C');
INSERT INTO SEMSEC VALUES ('CSE4A',4,'A');
INSERT INTO SEMSEC VALUES ('CSE4B', 4,'B');
INSERT INTO SEMSEC VALUES('CSE4C',4,'C');
INSERT INTO SEMSEC VALUES ('CSE3A', 3,'A');
INSERT INTO SEMSEC VALUES ('CSE3B', 3,'B');
INSERT INTO SEMSEC VALUES('CSE3C',3,'C');
INSERT INTO SEMSEC VALUES ('CSE2A', 2,'C');
INSERT INTO SEMSEC VALUES ('CSE2B', 2,'B');
INSERT INTO SEMSEC VALUES ('CSE2C', 2,'C');
```

```
INSERT INTO SEMSEC VALUES ('CSE1A', 1,'A');
INSERT INTO SEMSEC VALUES ('CSE1B', 1,'B');
INSERT INTO SEMSEC VALUES ('CSE1C', 1,'C');
INSERT INTO CLASS VALUES('1RN13CS020','CSE8A');
INSERT INTO CLASS VALUES('1RN13CS062','CSE8A');
INSERT INTO CLASS VALUES('1RN13CS066', 'CSE8B');
INSERT INTO CLASS VALUES('1RN13CS091','CSE8C');
INSERT INTO CLASS VALUES('1RN14CS010', 'CSE7A');
INSERT INTO CLASS VALUES('1RN14CS025', 'CSE7A');
INSERT INTO CLASS VALUES('1RN14CS032','CSE7A');
INSERT INTO CLASS VALUES('1RN15CS011', 'CSE4A');
INSERT INTO CLASS VALUES('1RN15CS029','CSE4A');
INSERT INTO CLASS VALUES('1RN15CS045','CSE4B');
INSERT INTO CLASS VALUES('1RN15CS091', 'CSE4C');
INSERT INTO CLASS VALUES('1RN16CS045', 'CSE3A');
INSERT INTO CLASS VALUES('1RN16CS088','CSE3B');
INSERT INTO CLASS VALUES('1RN16CS122','CSE3C');
INSERT INTO SUBJECT VALUES ('10CS81','ACA', 8, 4);
INSERT INTO SUBJECT VALUES ('10CS82', 'SSM', 8, 4);
INSERT INTO SUBJECT VALUES ('10CS83','NM', 8, 4);
INSERT INTO SUBJECT VALUES ('10CS84','CC', 8, 4);
INSERT INTO SUBJECT VALUES ('10CS85', 'PW', 8, 4);
INSERT INTO SUBJECT VALUES ('10CS71','OOAD', 7, 4);
```

```
INSERT INTO SUBJECT VALUES ('10CS72', 'ECS', 7, 4);
INSERT INTO SUBJECT VALUES ('10CS73','PTW', 7, 4);
INSERT INTO SUBJECT VALUES ('10CS74', 'DWDM', 7, 4);
INSERT INTO SUBJECT VALUES ('10CS75', 'JAVA', 7, 4);
INSERT INTO SUBJECT VALUES ('10CS76', 'SAN', 7, 4);
INSERT INTO SUBJECT VALUES ('15CS51', 'ME', 5, 4);
INSERT INTO SUBJECT VALUES ('15CS52', 'CN', 5, 4);
INSERT INTO SUBJECT VALUES ('15CS53','DBMS', 5, 4);
INSERT INTO SUBJECT VALUES ('15CS54', 'ATC', 5, 4);
INSERT INTO SUBJECT VALUES ('15CS55', 'JAVA', 5, 3);
INSERT INTO SUBJECT VALUES ('15CS56', 'AI', 5, 3);
INSERT INTO SUBJECT VALUES ('15CS41','M4', 4, 4);
INSERT INTO SUBJECT VALUES ('15CS42','SE', 4, 4);
INSERT INTO SUBJECT VALUES ('15CS43','DAA', 4, 4);
INSERT INTO SUBJECT VALUES ('15CS44', 'MPMC', 4, 4);
INSERT INTO SUBJECT VALUES ('15CS45','OOC', 4, 3);
INSERT INTO SUBJECT VALUES ('15CS46','DC', 4, 3);
INSERT INTO SUBJECT VALUES ('15CS31', 'M3', 3, 4);
INSERT INTO SUBJECT VALUES ('15CS32', 'ADE', 3, 4);
INSERT INTO SUBJECT VALUES ('15CS33', 'DSA', 3, 4);
INSERT INTO SUBJECT VALUES ('15CS34','CO', 3, 4);
INSERT INTO SUBJECT VALUES ('15CS35','USP', 3, 3);
INSERT INTO SUBJECT VALUES ('15CS36', 'DMS', 3, 3);
```

INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS81','CSE8C', 15, 16,18);

INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS82','CSE8C', 12, 19,14);

INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS83','CSE8C', 19, 15,20);

INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS84','CSE8C', 20, 16,19);

INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS85','CSE8C', 15, 15,12);

SELECT * FROM STUDENT;

SELECT * FROM SEMSEC;

SELECT * FROM CLASS;

SELECT * FROM SUBJECT;

SELECT * FROM IAMARKS;

SELECT S.*, SS.SEM, SS.SEC

FROM STUDENT S, SEMSEC SS, CLASS C

WHERE S.USN = C.USN AND

SS.SSID = C.SSID AND

SS.SEM = 4 AND

SS.SEc='C';

SELECT SS.SEM, SS.SEC, S.GENDER, COUNT(S.GENDER) AS COUNT

FROM STUDENT S, SEMSEC SS, CLASS C

WHERE S.USN = C.USN AND

SS.SSID = C.SSID

GROUP BY SS.SEM, SS.SEC, S.GENDER

ORDER BY SEM;

```
CREATE VIEW STU_TEST1_MARKS_VIEW
AS
SELECT TEST1, SUBCODE
FROM IAMARKS
WHERE USN = '1RN13CS091';
-- QUERY 4
DELIMITER //
CREATE PROCEDURE AVG_MARKS()
BEGIN
DECLARE C_A INTEGER;
DECLARE C_B INTEGER;
DECLARE C_C INTEGER;
DECLARE C_SUM INTEGER;
DECLARE C_AVG INTEGER;
DECLARE C_USN VARCHAR(10);
DECLARE C_SUBCODE VARCHAR(8);
DECLARE C_SSID VARCHAR(5);
DECLARE C_IAMARKS CURSOR FOR
SELECT GREATEST(TEST1,TEST2) AS A, GREATEST(TEST1,TEST3) AS B, GREATEST(TEST3,TEST2) AS C, USN,
SUBCODE, SSID
FROM IAMARKS
```

WHERE FINALIA IS NULL

```
FOR UPDATE;
OPEN C_IAMARKS;
LOOP
FETCH C_IAMARKS INTO C_A, C_B, C_C, C_USN, C_SUBCODE, C_SSID;
IF (C_A != C_B) THEN
SET C_SUM=C_A+C_B;
ELSE
SET C_SUM=C_A+C_C;
END IF;
SET C_AVG=C_SUM/2;
UPDATE IAMARKS SET FINALIA = C_AVG
WHERE USN = C_USN AND SUBCODE = C_SUBCODE AND SSID = C_SSID;
END LOOP;
CLOSE C_IAMARKS;
END;
//
CALL AVG_MARKS();
SELECT * FROM IAMARKS;
-- QUERY 5
SELECT S.USN,S.SNAME,S.ADDRESS,S.PHONE,S.GENDER,
(CASE
WHEN IA.FINALIA BETWEEN 17 AND 20 THEN 'OUTSTANDING'
```

```
WHEN IA.FINALIA BETWEEN 12 AND 16 THEN 'AVERAGE'
```

ELSE 'WEAK'

END) AS CAT

FROM STUDENT S, SEMSEC SS, IAMARKS IA, SUBJECT SUB

WHERE S.USN = IA.USN AND

SS.SSID = IA.SSID AND

SUB.SUBCODE = IA.SUBCODE AND

SUB.SEM = 8;

```
34
     FOREIGN KEY (USN) REFERENCES STUDENT (USN),
35
       FOREIGN KEY (SUBCODE) REFERENCES SUBJECT (SUBCODE),
     FOREIGN KEY (SSID) REFERENCES SEMSEC (SSID));
37 • INSERT INTO STUDENT VALUES('1RN13CS020','AKSHAY','BELAGAVI',8877881122,'M');
38 • INSERT INTO STUDENT VALUES('1RN13CS062', 'SANDHYA', 'BENGALURU', 7722829912, 'F');
39 • INSERT INTO STUDENT VALUES('1RN13CS091','TEESHA','BENGALURU',7712312312,'F');
40 • INSERT INTO STUDENT VALUES('1RN13CS066', 'SUPRIYA', 'MANGALURU', 8877881122, 'F');
41 • INSERT INTO STUDENT VALUES('1RN14CS010','ABHAY','BENGALURU',9900211201,'M');
      INSERT INTO STUDENT VALUES('1RN14CS032', 'BHASKAR', 'BENGALURU', 9923211099, 'M');
43 • INSERT INTO STUDENT VALUES ('IRN14CS025', 'ASMI', 'BENGALURU', 7894737377, 'F');
44 • INSERT INTO STUDENT VALUES ('IRN15CS011', 'AJAY', 'TUMKUR', 9845091341, 'M');
45 • INSERT INTO STUDENT VALUES ('1RN15CS029', 'CHITRA', 'DAVANGERE', 7696772121, 'F');
46 • INSERT INTO STUDENT VALUES ('1RN15CS045', 'JEEVA', 'BELLARY', 9944850121, 'M');
47 • INSERT INTO STUDENT VALUES ('IRN15CS091', 'SANTOSH', 'MANGALURU', 8812332201, 'M');
      INSERT INTO STUDENT VALUES('1RN16CS045','ISMAIL','KALBURGI',9900232201,'M');
      INSERT INTO STUDENT VALUES ('1RN16CS088', 'SAMEERA', 'SHIMOGA', 9905542212, 'F');
50 • INSERT INTO STUDENT VALUES ('1RN16CS122', 'VINAYAKA', 'CHIKAMAGALUR', 8800880011, 'M');
52 • INSERT INTO SEMSEC VALUES ('CSE8A', 8,'A');
53 • INSERT INTO SEMSEC VALUES ('CSE8B', 8, 'B');
54 • INSERT INTO SEMSEC VALUES ('CSE8C',8,'C');
      INSERT INTO SEMSEC VALUES ('CSE7A',7,'A');
56 • INSERT INTO SEMSEC VALUES ('CSE7B',7,'B');
57 • INSERT INTO SEMSEC VALUES ('CSE7C',7,'C');
```

```
54 • INSERT INTO SEMSEC VALUES ('CSE8C',8,'C');
      INSERT INTO SEMSEC VALUES ('CSE7A',7,'A');
      INSERT INTO SEMSEC VALUES ('CSE7B',7,'B');
56 •
      INSERT INTO SEMSEC VALUES ('CSE7C',7,'C');
57 •
58 • INSERT INTO SEMSEC VALUES ('CSE6A',6,'A');
59 • INSERT INTO SEMSEC VALUES ('CSE6B', 6, 'B');
60 • INSERT INTO SEMSEC VALUES ('CSE6C', 6,'C');
61 • INSERT INTO SEMSEC VALUES ('CSE5A', 5,'A');
62 • INSERT INTO SEMSEC VALUES ('CSE5B', 5, 'B');
63 • INSERT INTO SEMSEC VALUES ('CSESC', 5,'C');
64 • INSERT INTO SEMSEC VALUES ('CSE4A',4,'A');
      INSERT INTO SEMSEC VALUES ('CSE4B', 4, 'B');
      INSERT INTO SEMSEC VALUES('CSE4C',4,'C');
66 •
      INSERT INTO SEMSEC VALUES ('CSE3A', 3,'A');
67 •
68 • INSERT INTO SEMSEC VALUES ('CSE3B', 3,'B');
69 • INSERT INTO SEMSEC VALUES('CSE3C',3,'C');
70 • INSERT INTO SEMSEC VALUES ('CSE2A', 2,'C');
71 • INSERT INTO SEMSEC VALUES ('CSE2B', 2, 'B');
72 • INSERT INTO SEMSEC VALUES ('CSE2C', 2,'C');
73 • INSERT INTO SEMSEC VALUES ('CSE1A', 1,'A');
74 • INSERT INTO SEMSEC VALUES ('CSE1B', 1, 'B');
75 • INSERT INTO SEMSEC VALUES ('CSE1C', 1,'C');
```

```
78 • INSERT INTO CLASS VALUES('1RN13CS062', 'CSE8A');
79 • INSERT INTO CLASS VALUES('1RN13CS066', 'CSE8B');
80 • INSERT INTO CLASS VALUES('1RN13CS091','CSE8C');
81 •
      INSERT INTO CLASS VALUES('1RN14CS010','CSE7A');
 82 •
       INSERT INTO CLASS VALUES('1RN14CS025','CSE7A');
      INSERT INTO CLASS VALUES('1RN14CS032','CSE7A');
83 •
      INSERT INTO CLASS VALUES('1RN15CS011','CSE4A');
 84 •
 85 • INSERT INTO CLASS VALUES('1RN15CS029', 'CSE4A');
 86 • INSERT INTO CLASS VALUES('1RN15CS045', 'CSE4B');
87 • INSERT INTO CLASS VALUES('1RN15CS091','CSE4C');
 88 •
      INSERT INTO CLASS VALUES('1RN16CS045','CSE3A');
       INSERT INTO CLASS VALUES('1RN16CS088','CSE3B');
 89 •
90 •
       INSERT INTO CLASS VALUES('1RN16CS122','CSE3C');
91
92 • INSERT INTO SUBJECT VALUES ('10CS81', 'ACA', 8, 4);
93 • INSERT INTO SUBJECT VALUES ('10CS82', 'SSM', 8, 4);
94 • INSERT INTO SUBJECT VALUES ('10CS83','NM', 8, 4);
95 • INSERT INTO SUBJECT VALUES ('10CS84','CC', 8, 4);
96 • INSERT INTO SUBJECT VALUES ('10CS85', 'PW', 8, 4);
       INSERT INTO SUBJECT VALUES ('10CS71', '00AD', 7, 4);
98 • INSERT INTO SUBJECT VALUES ('10CS72', 'ECS', 7, 4);
99 • INSERT INTO SUBJECT VALUES ('10CS73', 'PTW', 7, 4);
100 • INSERT INTO SUBJECT VALUES ('10CS74','DWDM', 7, 4);
101 • INSERT INTO SUBJECT VALUES ('10CS75', 'JAVA', 7, 4);
102 . THEEDT THTO SURTECT VALUES ("100576" "SAM" 7 A).
```

```
INSERT INTO SUBJECT VALUES ('10CS73', 'PTW', 7, 4);
100 •
        INSERT INTO SUBJECT VALUES ('10CS74','DWDM', 7, 4);
         INSERT INTO SUBJECT VALUES ('10CS75','JAVA', 7, 4);
101 •
        INSERT INTO SUBJECT VALUES ('10CS76', 'SAN', 7, 4);
102 •
103 •
        INSERT INTO SUBJECT VALUES ('15CS51', 'ME', 5, 4);
        INSERT INTO SUBJECT VALUES ('15CS52','CN', 5, 4);
104 •
        INSERT INTO SUBJECT VALUES ('15CS53', 'DBMS', 5, 4);
105 •
        INSERT INTO SUBJECT VALUES ('15CS54','ATC', 5, 4);
106 •
107 • INSERT INTO SUBJECT VALUES ('15CS55', 'JAVA', 5, 3);
108 • INSERT INTO SUBJECT VALUES ('15CS56', 'AI', 5, 3);
109 • INSERT INTO SUBJECT VALUES ('15CS41', 'M4', 4, 4);
110 •
        INSERT INTO SUBJECT VALUES ('15CS42', 'SE', 4, 4);
        INSERT INTO SUBJECT VALUES ('15CS43', 'DAA', 4, 4);
111 •
112 • INSERT INTO SUBJECT VALUES ('15CS44', 'MPMC', 4, 4);
113 • INSERT INTO SUBJECT VALUES ('15CS45','00C', 4, 3);
114 • INSERT INTO SUBJECT VALUES ('15CS46','DC', 4, 3);
115 • INSERT INTO SUBJECT VALUES ('15CS31', 'M3', 3, 4);
116 • INSERT INTO SUBJECT VALUES ('15CS32', 'ADE', 3, 4);
117 • INSERT INTO SUBJECT VALUES ('15CS33', 'DSA', 3, 4);
118 • INSERT INTO SUBJECT VALUES ('15CS34','CO', 3, 4);
119 •
        INSERT INTO SUBJECT VALUES ('15CS35', 'USP', 3, 3);
120 • INSERT INTO SUBJECT VALUES ('15CS36','DMS', 3, 3);
21
22 •
      INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3) VALUES ('1RN13CS091','10CS81','CSE8C', 15, 16,18);
      INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS82','CSE8C', 12, 19,14);
23 •
      INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('IRN13CS091','10CS83','CSE8C', 19, 15,20);
      INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3) VALUES ('IRN13CS091','10CS84','CSE8C', 20, 16,19);
25 •
26 •
       INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('IRN13CS091','10CS85','CSE8C', 15, 15,12);
27 •
       SELECT * FROM STUDENT;
      SELECT * FROM SEMSEC;
28 •
      SELECT * FROM CLASS;
29 •
30 • SELECT * FROM SUBJECT;
31 • SELECT * FROM IAMARKS;
 132
         SELECT S.*, SS.SEM, SS.SEC
 133 •
 134
         FROM STUDENT S, SEMSEC SS, CLASS C
 135
         WHERE S.USN = C.USN AND
         SS.SSID = C.SSID AND
 136
         SS.SEM = 4 AND
 137
         SS.SEc='C';
 138
130
 Export: Wrap Cell Content: IA
                                       GENDER SEM SEC
              SNAME ADDRESS
                                 PHONE
▶ 1RN15CS091 SANTOSH MANGALURU 8812332201 M
```

99 •

