<u>NAME</u>: LOPAMUDRA PATRO <u>SECTION</u>: 3N

<u>USN</u>: 1WA24CS158 <u>BATCH</u>: BATCH-2(N2-ASK)

DBMS LAB WEEK-1 Insurance DB

PERSON (driver_id: String, name: String, address: String)

CAR (reg_num: String, model: String, year: int)

ACCIDENT (report_num: int, accident_date: date, location: String)

OWNS (driver_id: String, reg_num: String)

PARTICIPATED (driver_id: String, reg_num: String, report_num: int,

damage_amount: int)

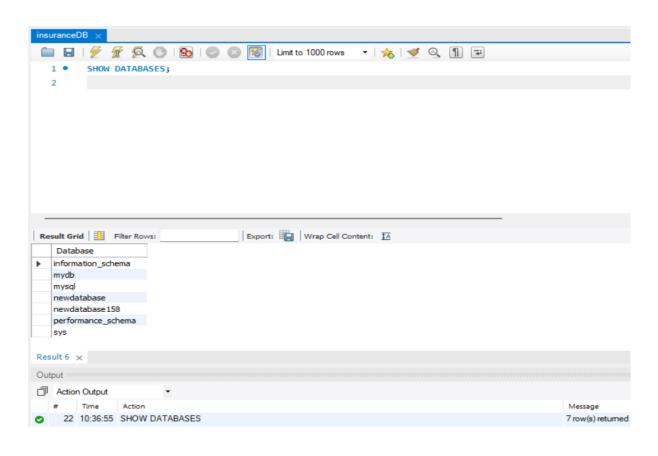
Queries:

- Create the above tables by properly specifying the primary keys and the foreign keys.
- Enter at least five tuples for each relation
- Display Accident date and location
- Update the damage amount to 25000 for the car with a specific reg_num (example 'K A053408') for which the accident report number was 12.
- Add a new accident to the database.

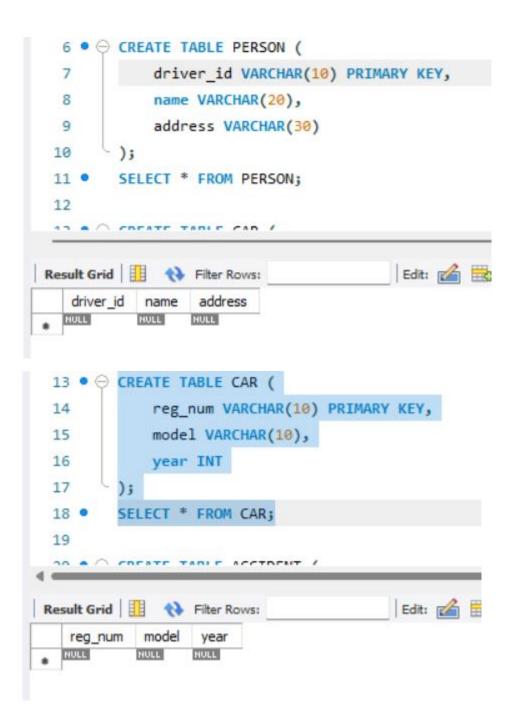
To Do:

- Display Accident date and location.
- Display driver id who did accident with damage amount greater than or equal to Rs.25000

SQL:

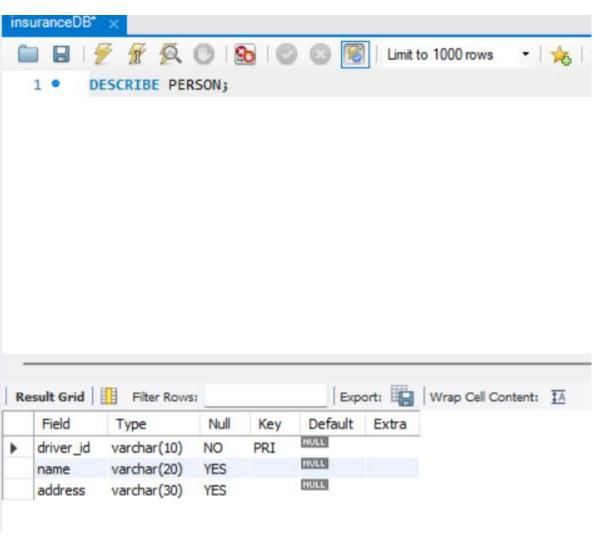




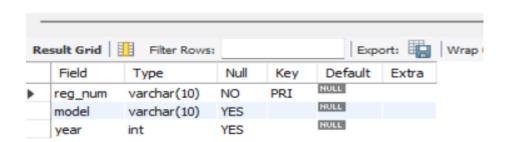


```
20 • CREATE TABLE ACCIDENT (
            report num INT PRIMARY KEY,
  21
            accident_date DATE,
  22
             location VARCHAR(20)
  23
  24
         );
  25 •
         SELECT * FROM ACCIDENT;
         CREATE TABLE OURS /
                                       Edit: 🚄 🗮
report_num | accident_date
                         location
NULL
             NULL
                         NULL
 26 • CREATE TABLE OWNS (
          driver_id VARCHAR(10),
 27
          reg num VARCHAR(10),
 28
           PRIMARY KEY (driver_id, reg_num),
 29
           FOREIGN KEY (driver_id) REFERENCES PERSON(driver_id),
 30
           FOREIGN KEY (reg num) REFERENCES CAR(reg num)
 31
 32
      - );
       SELECT * FROM owns;
 33 •
 34
                                   Edit: 🚄 🖶 Export/Import: 🙀
driver_id reg_num
NULL
         NULL
```

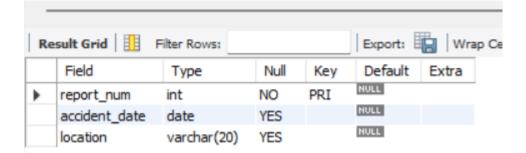
```
35 • ○ CREATE TABLE PARTICIPATED (
 36
            driver_id VARCHAR(10),
           reg_num VARCHAR(10),
 37
            report num INT,
 38
            damage amount INT,
 39
            PRIMARY KEY (driver_id, reg_num, report_num),
 40
            FOREIGN KEY (driver_id) REFERENCES PERSON(driver_id),
 41
            FOREIGN KEY (reg_num) REFERENCES CAR(reg_num),
 42
 43
            FOREIGN KEY (report num) REFERENCES ACCIDENT(report num)
 44
       - );
        SELECT * FROM participated;
45 •
 46
                                      Edit: 🕍 🖶 | Export/Import:
driver_id
                  report_num damage_amount
          reg_num
                            NULL
 NULL
                  NULL
```



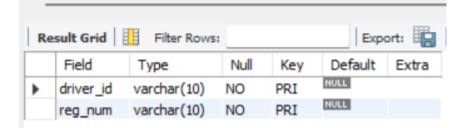
2 • DESCRIBE CAR;

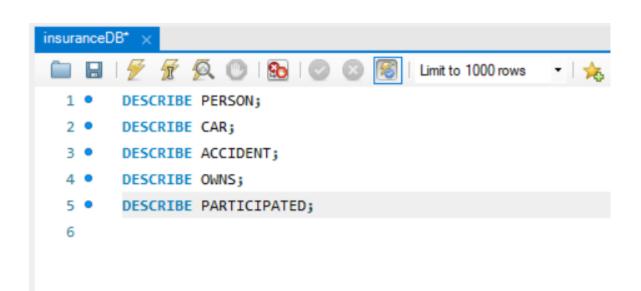


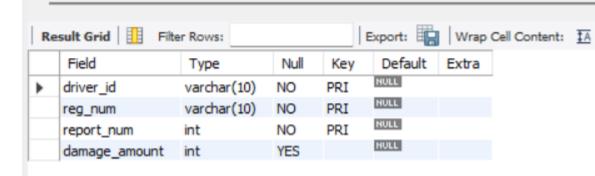
3 • DESCRIBE ACCIDENT;

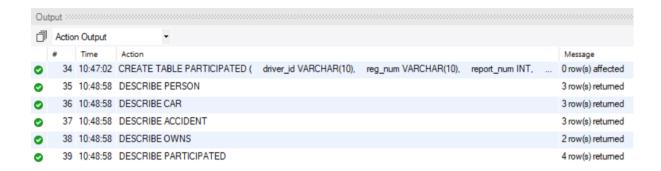


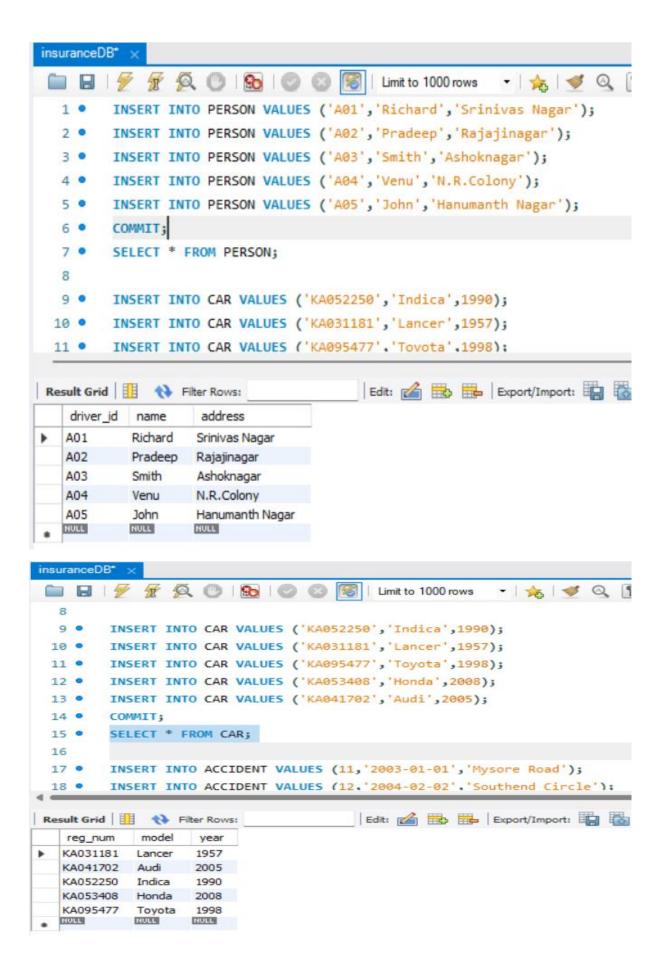
4 • DESCRIBE OWNS;



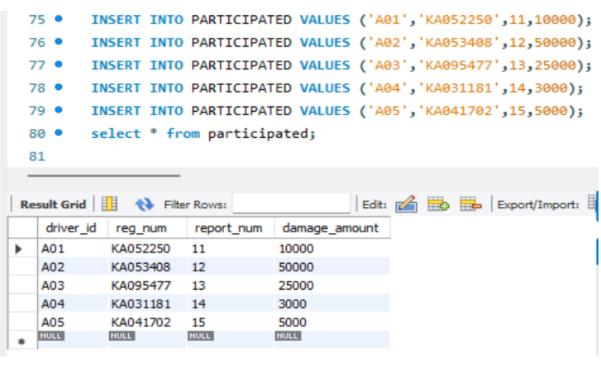






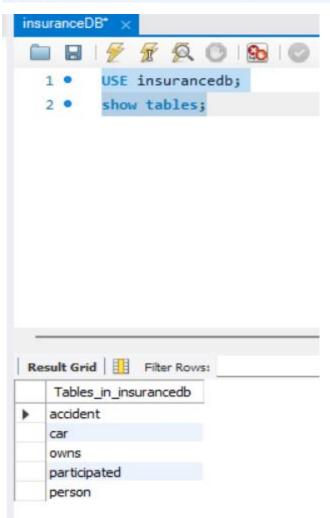


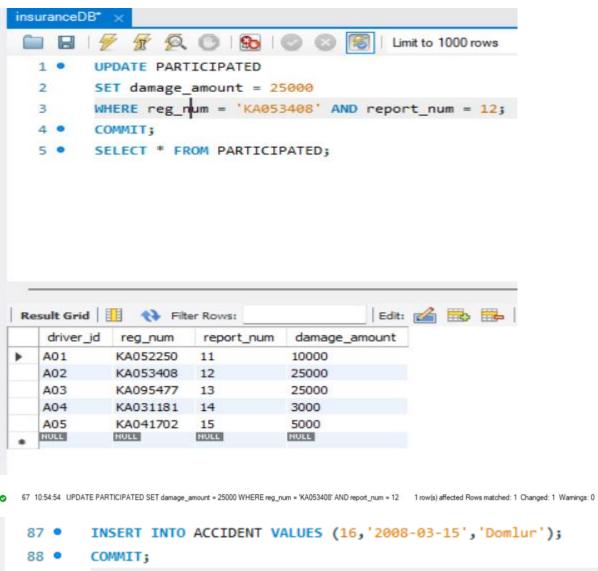
```
INSERT INTO ACCIDENT VALUES (11, '2003-01-01', 'Mysore Road');
  61 •
  62 •
          INSERT INTO ACCIDENT VALUES (12, '2004-02-02', 'Southend Circle');
          INSERT INTO ACCIDENT VALUES (13, '2003-01-21', 'Bulltemple Road');
  63 •
          INSERT INTO ACCIDENT VALUES (14, '2008-02-17', 'Mysore Road');
  64 •
  65 •
          INSERT INTO ACCIDENT VALUES (15, '2005-03-04', 'Kanakpura Road');
  66 •
          select * from accident;
          INSERT INTO OWNS VALUES ('A01', 'KA052250');
  67 •
          INSERT INTO OWNS VALUES ('A02', 'KA053408');
  68 •
  69 •
          INSERT INTO OWNS VALUES ('A03', 'KA095477');
  70 .
          INSERT INTO OWNS VALUES ('A04', 'KA031181');
          INSERT INTO OWNS VALUES ('A05', 'KA041702');
  71 •
                                          Edit: 6 Export/Import:
 Result Grid
              Filter Rows:
    report_num
               accident date
                           location
                                                                          Resul
               2003-01-01
                           Mysore Road
    11
                           Southend Circle
    12
              2004-02-02
                           Bulltemple Road
    13
               2003-01-21
                          Mysore Road
    14
              2008-02-17
    15
              2005-03-04
                           Kanakpura Road
                                                                         Editor
   NULL
              NULL
                          NULL
insuranceDB*
                                                 Limit to 1000
               I
  22 •
           COMMIT;
          SELECT * FROM ACCIDENT;
  23 •
  24
          INSERT INTO OWNS VALUES ('A01', 'KA052250')
  25 •
          INSERT INTO OWNS VALUES ('A02', 'KA053408')
  26 •
          INSERT INTO OWNS VALUES ('A03', 'KA095477')
          INSERT INTO OWNS VALUES ('A04', 'KA031181')
          INSERT INTO OWNS VALUES ('A05', 'KA041702')
  29 •
  30 •
          COMMIT;
  31 •
          SELECT * FROM OWNS;
  32
Edit:
    driver_id
              reg num
    A04
             KA031181
    A05
             KA041702
    A01
             KA052250
    A02
             KA053408
    A03
             KA095477
   NULL
             NULL
```

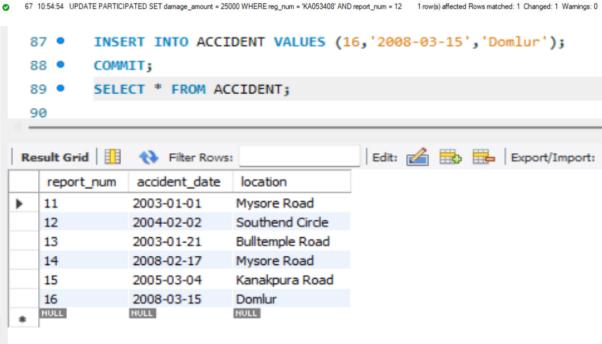


82 09:27:58 INSERT INTO PARTICIPATED VALUES ("A02", "KA053408", 12,50000)

1 row(s) affected







```
119 12:32:19 INSERT INTO ACCIDENT VALUES (16, 2008-03-15', Domlur')
120 12:32:20 SELECT * FROM ACCIDENT LIMIT 0, 1000
```

```
92 • SELECT accident_date, location FROM ACCIDENT;
93 • SELECT * FROM ACCIDENT;
94
```

accident_date	location
2003-01-01	Mysore Road
2004-02-02	Southend Circle
2003-01-21	Bulltemple Road
2008-02-17	Mysore Road
2005-03-04	Kanakpura Road
2008-03-15	Domlur
NULL	NULL

Thank you