<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**

Q. 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)

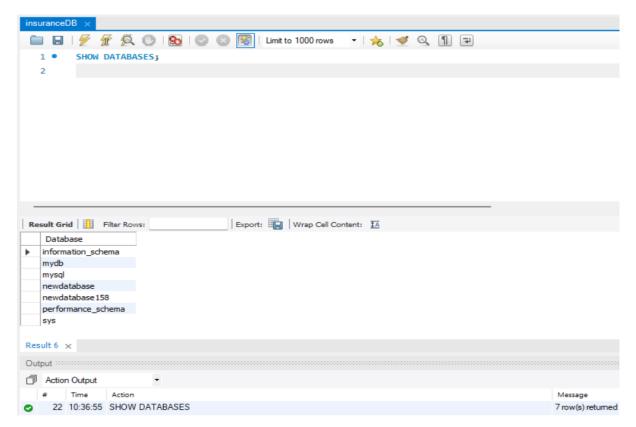
PARTICIPATED (driver\_id: String, reg\_num: String, report\_num: int, damage\_amount: int)

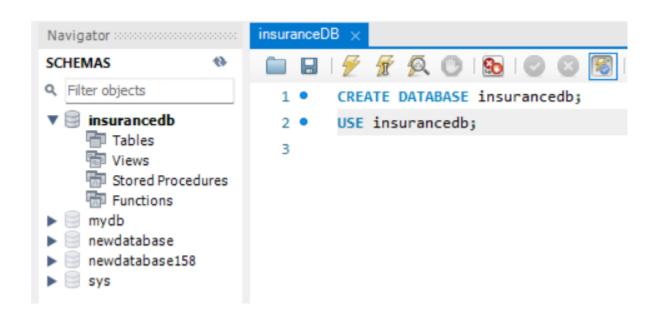
- Create the above tables by properly specifying the primary keys and the foreign keys.
- Enter at least five tuples for each relation
- Display Accident date and location
- Update the damage amount to 25000 for the car with a specific reg\_num (example 'K A053408') for which the accident report number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

### To Do:

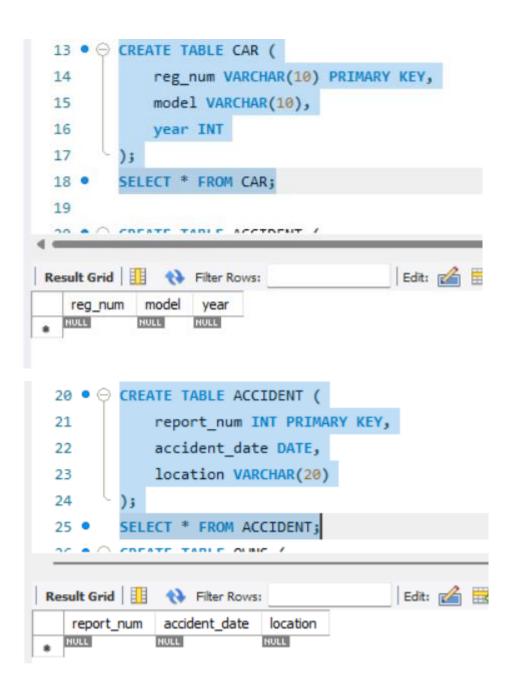
- Display Accident date and location.
- Display driver id who did accident with damage amount greater than or equal to Rs.25000

#### SQL:

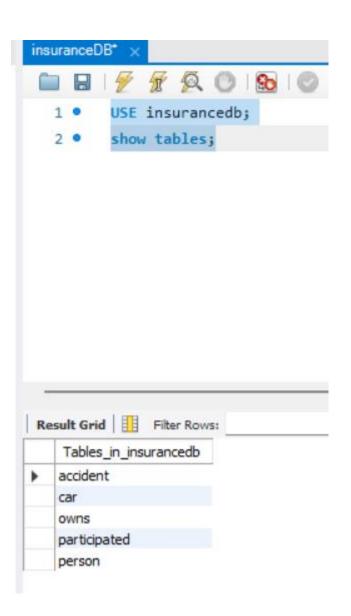


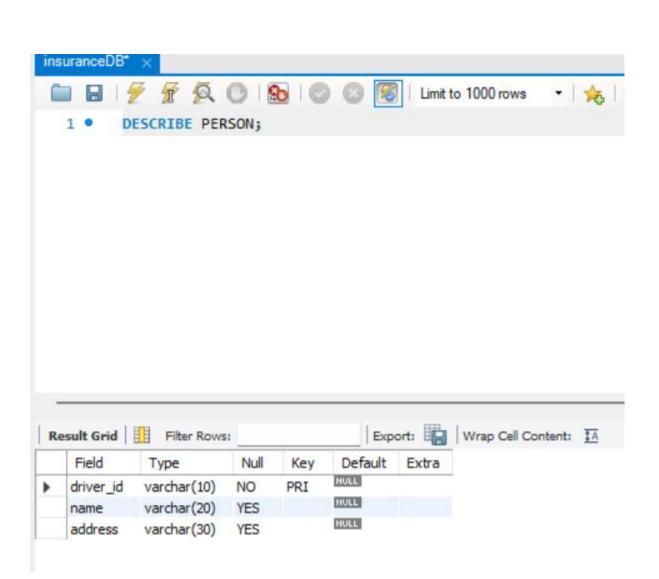


```
6 • ⊖ CREATE TABLE PERSON (
            driver_id VARCHAR(10) PRIMARY KEY,
            name VARCHAR(20),
            address VARCHAR(30)
 10
        );
 11 •
        SELECT * FROM PERSON;
 12
 43 A COPATE TABLE CAR /
                                       Edit:
Result Grid Filter Rows:
   driver_id name address
 NULL
          HULL
                NULL
```

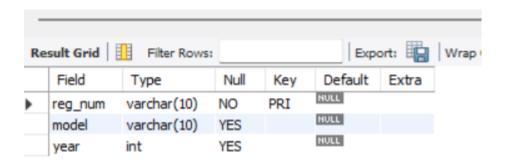


```
26 • CREATE TABLE OWNS (
           driver id VARCHAR(10),
 27
           reg_num VARCHAR(10),
 28
           PRIMARY KEY (driver id, reg num),
 29
            FOREIGN KEY (driver_id) REFERENCES PERSON(driver_id),
 30
 31
            FOREIGN KEY (reg_num) REFERENCES CAR(reg_num)
 32
       - );
        SELECT * FROM owns;
 33 •
 34
 TE A COPATE TABLE DARTECTOATED
                                      Edit: 🚄 🖶 Export/Import: 📳
Result Grid Filter Rows:
   driver_id reg_num
NULL
          NULL
 35 ● ○ CREATE TABLE PARTICIPATED (
            driver_id VARCHAR(10),
 36
 37
            reg_num VARCHAR(10),
 38
            report num INT,
 39
             damage amount INT,
 40
            PRIMARY KEY (driver_id, reg_num, report_num),
            FOREIGN KEY (driver_id) REFERENCES PERSON(driver_id),
 41
             FOREIGN KEY (reg num) REFERENCES CAR(reg num),
 42
            FOREIGN KEY (report_num) REFERENCES ACCIDENT(report_num)
 43
 44
        );
 45 0
        SELECT * FROM participated;
 46
                                        Edit: 🕍 📆 Export/Import:
driver_id reg_num report_num
                             damage_amount
  NULL
           NULL
                   NULL
                              HULL
```

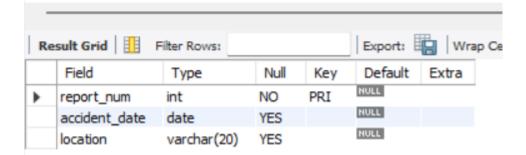




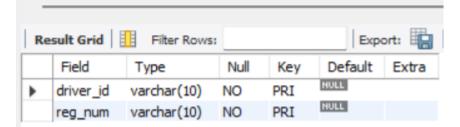
# 2 • DESCRIBE CAR;

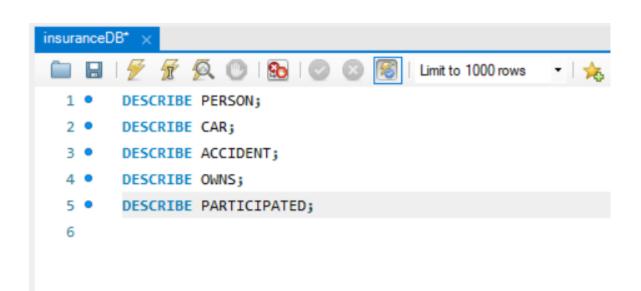


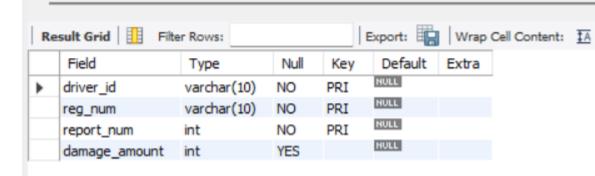
## 3 • DESCRIBE ACCIDENT;

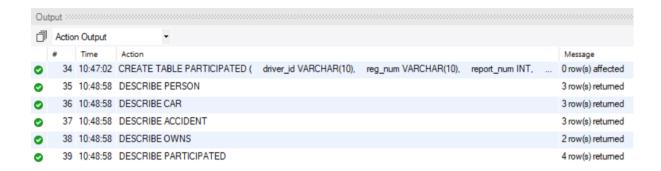


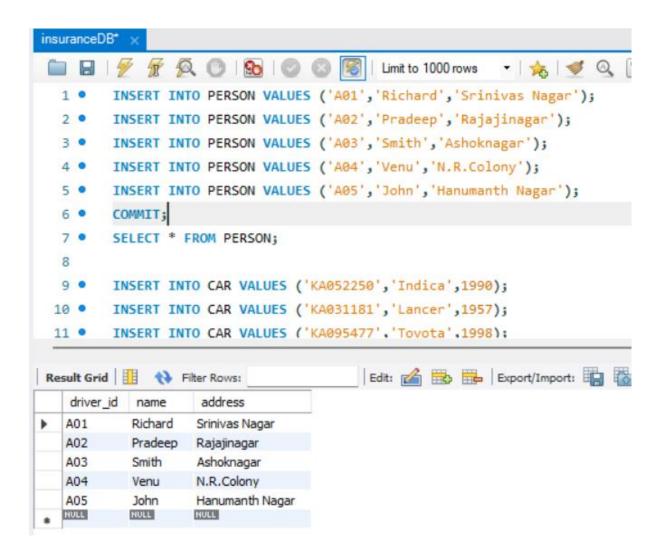
## 4 • DESCRIBE OWNS;

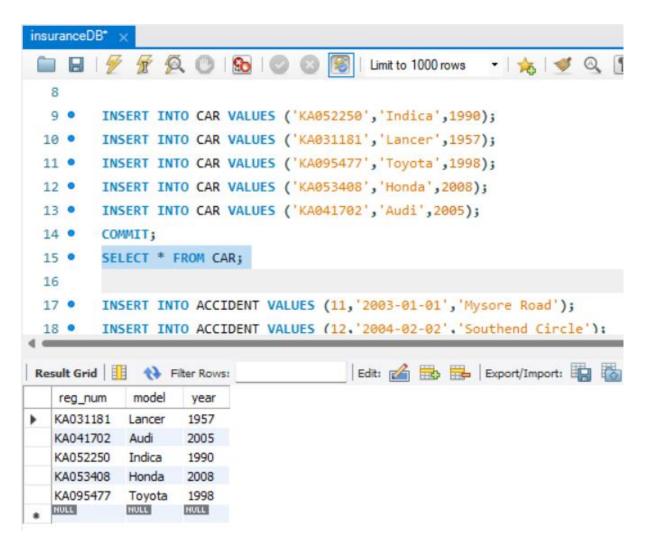






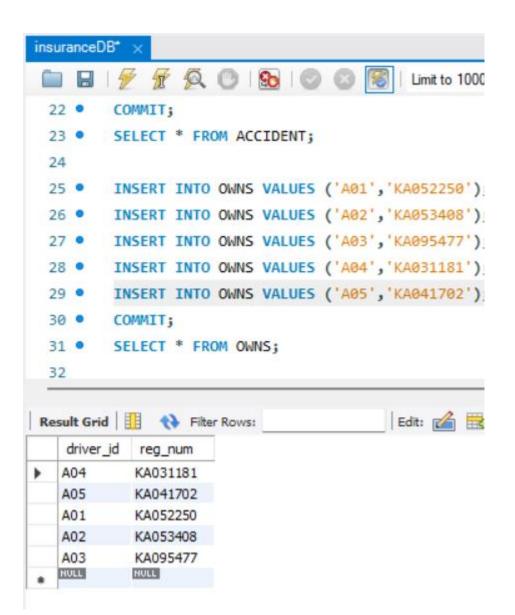






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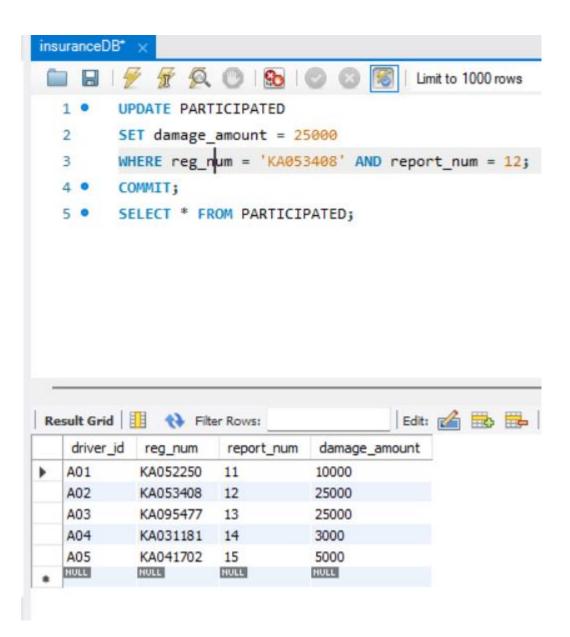
```
61 •
        INSERT INTO ACCIDENT VALUES (11, '2003-01-01', 'Mysore Road');
 62 •
        INSERT INTO ACCIDENT VALUES (12, '2004-02-02', 'Southend Circle');
        INSERT INTO ACCIDENT VALUES (13, '2003-01-21', 'Bulltemple Road');
 63 •
        INSERT INTO ACCIDENT VALUES (14, '2008-02-17', 'Mysore Road');
 64 •
        INSERT INTO ACCIDENT VALUES (15, '2005-03-04', 'Kanakpura Road');
 65 •
        select * from accident;
 66 •
        INSERT INTO OWNS VALUES ('A01', 'KA052250');
 67 •
        INSERT INTO OWNS VALUES ('A02', 'KA053408');
 68 •
        INSERT INTO OWNS VALUES ('A03', 'KA095477');
 69 •
 70 •
        INSERT INTO OWNS VALUES ('A04', 'KA031181');
 71 •
        INSERT INTO OWNS VALUES ('A05', 'KA041702');
                                         Edit: 🚰 📆 Export/Import:
report_num
             accident_date
                          location
                          Mysore Road
  11
             2003-01-01
             2004-02-02
                          Southend Circle
  12
                          Bulltemple Road
  13
             2003-01-21
                         Mysore Road
  14
             2008-02-17
                          Kanakpura Road
  15
             2005-03-04
                                                                         Editor
  NULL
                         NULL
             NULL
```



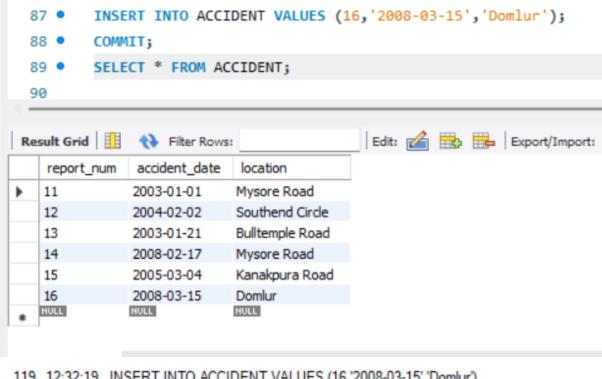
```
75 •
        INSERT INTO PARTICIPATED VALUES ('A01', 'KA052250',11,10000);
        INSERT INTO PARTICIPATED VALUES ('A02', 'KA053408',12,50000);
 76 •
        INSERT INTO PARTICIPATED VALUES ('A03', 'KA095477', 13, 25000);
 77 •
 78 •
        INSERT INTO PARTICIPATED VALUES ('A04', 'KA031181',14,3000);
        INSERT INTO PARTICIPATED VALUES ('A05', 'KA041702', 15, 5000);
 79 •
         select * from participated;
 80 •
 81
                                         Edit: 🚄 🖶 🖶 Export/Import: 🛚
Result Grid Filter Rows:
   driver_id reg_num
                    report_num
                                damage_amount
  A01
           KA052250
                     11
                                10000
  A02
           KA053408 12
                                50000
  A03
                                25000
           KA095477
                     13
  A04
           KA031181
                    14
                                3000
  A05
           KA041702
                     15
                                5000
                     NULL
                                NULL
  NULL
           NULL
```

1 row(s) affected

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



67 10:54:54 UPDATE PARTICIPATED SET damage\_amount = 25000 WHERE reg\_num = 'KA053408' AND report\_num = 12 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0



119 12:32:19 INSERT INTO ACCIDENT VALUES (16, 2008-03-15', Domlur')

120 12:32:20 SELECT \* FROM ACCIDENT LIMIT 0, 1000

```
SELECT accident_date, location FROM ACCIDENT;
 92 •
         SELECT * FROM ACCIDENT;
 93 •
 94
                                              Edit: 🚄 🖶 🖶 Expor
Result Grid
               Filter Rows:
   report_num
               accident_date
                             location
               2003-01-01
                             Mysore Road
   11
               2004-02-02
                             Southend Circle
   12
   13
               2003-01-21
                             Bulltemple Road
               2008-02-17
   14
                             Mysore Road
                             Kanakpura Road
   15
               2005-03-04
               2008-03-15
                             Domlur
   16
  NULL
              NULL
                            NULL
  96
         SELECT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000;
  97 •
                                   Export: Wrap Cell Content: IA
 driver_id
    A02
    A03
```