Group Assignment

Group 3

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FALL_2020 ALY6030

In class exercise

Last Updated: 09/21/2020

AIM: To normaize the given table into 1NF, 2NF and 3NF

Create Schema name database:

```
/* 1NF (First Normal Form) */
/* Create the schema */
CREATE SCHEMA `database`;
```

Output:



Implementing 1NF

Creating table full table:

Action Output 🗢					
	Time	Action	Response	Duration / Fetch Time	
1	11:24:49	CREATE SCHEMA 'database'	1 row(s) affected	0.0028 sec	
② 2	11:31:38	CREATE TABLE `database`.`full_table` (0 row(s) affected	0.068 sec	

Inserting data into full table

- Full Screenshot

```
/* Insert values */
** INSERT INTO database* - full_table* ('Vehicle_ORER_ID', Vehicle_GOLOR', Vehicle_GOMER, Vehicle_GOMER, 'Vehicle_GOMER, 'MAINTENANCE_DATE', PROCEDURE') WAUGE ('3515', 'RED', 'CAR', '4', 'Harissa Jones', '2619-86-10', '610-011 Change');

** INSERT INTO database* - full_table* ('Vehicle_GOLOR, Vehicle_FOLOR', Vehicle_GOMER', Vehicle_GOMER', 'Vehicle_GOMER', 'MAINTENANCE_DATE', 'PROCEDURE') WAUGE ('3515', 'RED', 'CAR', '4', 'Harissa Jones', '2619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80-80', '1619-80', '1619-80', '1619-80', '1619-80', '1619-80', '1619-80', '1619
```

- Split screenshot for clear view

```
'full_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE')
   INSERT INTO `database`.`full_table` (`VEHICLE_OWNER_ID`,
                                                        `VEHICLE_COLOR`, `VEHICLE_TYPE`, `VEHICLE_AGE`, `VEHICLE_OWNER`,
                                                                                                                   'MAINTENANCE DATE'.
   INSERT INTO `database`.`full_table` ('VEHICLE_OWNER_ID`,
                                                        `VEHICLE_COLOR`, `VEHICLE_TYPE`, `VEHICLE_AGE`, `VEHICLE_OWNER`, `MAINTENANCE_DATE`,
   INSERT INTO `database`.`full_table` (`VEHICLE_OWNER_ID`,
                                                        `VEHICLE_COLOR`, `VEHICLE_TYPE`, `VEHICLE_AGE`,
                                                                                                    `VEHICLE_OWNER`,
                                                                                                                   `MAINTENANCE DATE`.
   INSERT INTO `database`.`full_table` (`VEHICLE_OWNER_ID`,
                                                        `VEHICLE_COLOR`, `VEHICLE_TYPE`, `VEHICLE_AGE`,
                                                                                                    `VEHICLE_OWNER`,
                                                                                                                   'MAINTENANCE DATE'.
   INSERT INTO `database`.`full_table` (`VEHICLE_OWNER_ID`,
                                                        `VEHICLE_COLOR`,
                                                                       `VEHICLE_TYPE`,
                                                                                      `VEHICLE_AGE`,
                                                                                                    `VEHICLE_OWNER`,
                                                                                                                   'MAINTENANCE DATE'.
                                                                                                                   `MAINTENANCE_DATE`,
   INSERT INTO `database`.`full_table` (`VEHICLE_OWNER_ID`,
                                                        `VEHICLE_COLOR`, `VEHICLE_TYPE`, `VEHICLE_AGE`,
                                                                                                   `VEHICLE_OWNER`,
   INSERT INTO `database`.`full_table` ('VEHICLE_OWNER_ID',
                                                       'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER',
                                                                                                                   `MAINTENANCE_DATE`,
   INSERT INTO 'database'.'full_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE')
VALUES ('3515', 'RED', 'CAR', '4', 'Marissa Jones', '2019-06-10', '01- 0il Change');
VALUES ('3515', 'RED', 'CAR', '4', 'Marissa Jones', '2019-03-06', '10 - Brakes');
VALUES ('3515', 'RED', 'CAR', '4', 'Marissa Jones', '2019-03-03', '05 - Radiator Service');
VALUES ('3827', 'WHITE', 'TRUCK', '3', 'Liam Neeson', '2019-02-21', '08 - Broken Windshield');
VALUES ('3827', 'WHITE', 'TRUCK', '3', 'Liam Neeson', '2019-01-23', '05 - Radiator Service');
VALUES ('4649', 'BLACK', 'LIMOUSINE', '8', 'Roger Gupta', '2019-04-09', '01- Oil Change');
VALUES ('4649', 'BLACK', 'LIMOUSINE', '8', 'Roger Gupta', '2019-01-19', '01- 0il Change');
VALUES ('4876', 'GRAY', 'CAR', '1', 'Diego Minh Vu', '2019-05-12', '20 - Annual Check Up');
VALUES ('4876', 'GRAY', 'CAR', '1', 'Diego Minh Vu', '2019-05-22', '12 - Battery Replacement');
```

Output:

•						
Action Output 😊						
	Time	Action	Response			
② 1	11:24:49	CREATE SCHEMA 'database'	1 row(s) affected			
2	11:31:38	CREATE TABLE 'database'.' full_table' ('VEHICLE_OWNER_D' INT NOT NULL, 'VEHICLE_COLOR' VARCHAR(45) NOT NULL, 'VEHICLE_TYPE' VARCHAR(45) NOT NULL, 'VEHICLE_AGE' INT NOT NULL, 'VEHICLE_OWNER'.	. 0 row(s) affected			
9 3	11:34:25	INSERT INTO 'database'.'fuil_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('3515', 'RED', 'CAR', 4', 'Marissa Jones',	1 row(s) affected			
9 4	11:34:25	INSERT INTO 'database'.'fuil_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('3515', 'RED', 'CAR', 4', 'Marissa Jones',	1 row(s) affected			
9 5	11:34:25	INSERT INTO 'database'.'fuil_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('3515', 'RED', 'CAR', 4', 'Marissa Jones',	1 row(s) affected			
9 6	11:34:25	INSERT INTO 'database', 'full_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('3827, 'WHITE, 'TRUCK, '3, 'Liam Nee	1 row(s) affected			
⊘ 7	11:34:25	INSERT INTO 'database', 'full_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('3827, 'WHITE, 'TRUCK, '3, 'Liam Nee	1 row(s) affected			
9 8	11:34:25	INSERT INTO 'database'.'full_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('4649, 'BLACK', 'LIMOUSINE', '8', 'Roge	1 row(s) affected			
9 9	11:34:25	INSERT INTO 'database', 'full_table' ('VEHICLE_OWNER.JD', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES (4649; 'BLACK, 'LIMOUSINE', '8', 'Roge	1 row(s) affected			
② 10	11:34:25	INSERT INTO 'database', 'full_table' ('VEHICLE_OWNER.JD', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('4876, 'GRAY, 'CAR, '1', 'Diego Minh V	1 row(s) affected			
11	11:34:25	INSERT INTO 'database'.'full_table' ('VEHICLE_OWNER_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER', 'MAINTENANCE_DATE', 'PROCEDURE') VALUES ('4876, 'GRAY', 'CAR', '1', 'Diego Minh V	1 row(s) affected			

Implementing 2NF and 3NF

Creating table owner info:

```
/* 2NF and 3NF (Second and Third Normal Form) */
/* Create table */

• ○ CREATE TABLE `database`.`owner_info` (
  `VEHICLE_OWNER_ID` INT NOT NULL,
  `VEHICLE_OWNER` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`VEHICLE_OWNER_ID`));
```

Output:

Insuring data into table owner_info

```
/* Insert values */
• INSERT INTO `database`.`owner_info` (`VEHICLE_OWNER_ID`, `VEHICLE_OWNER`) VALUES ('3515', 'Marissa Jones');
• INSERT INTO `database`.`owner_info` (`VEHICLE_OWNER_ID`, `VEHICLE_OWNER`) VALUES ('3827', 'Liam Neeson');
• INSERT INTO `database`.`owner_info` (`VEHICLE_OWNER_ID`, `VEHICLE_OWNER`) VALUES ('4649', 'Roger Gupta');
• INSERT INTO `database`.`owner_info` (`VEHICLE_OWNER_ID`, `VEHICLE_OWNER`) VALUES ('4876', 'Diego Minh Vu');
Output:
```

```
Dutput:

| Insert Into database | Insert Into
```

Creating table vehicle info:

Output:

```
In 142:33 INSERT INTO 'database', 'owner_info' ('VEHICLE_OWNER_ID', 'VEHICLE_OWNER_ID', 'VEHICLE_OWNER_ID'
```

Inserting data to table

```
/* Insert values */

INSERT INTO 'database'.'vehicle_info' ('VEHICLE_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER_ID') VALUES ('101', 'RED', 'CAR', '4', '3515');

INSERT INTO 'database'.'vehicle_info' ('VEHICLE_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER_ID') VALUES ('102', 'WHITE', 'TRUCK', '3', '3827');

INSERT INTO 'database'.'vehicle_info' ('VEHICLE_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER_ID') VALUES ('103', 'BLACK', 'LIMOUSINE', '8', '4649');

INSERT INTO 'database'.'vehicle_info' ('VEHICLE_ID', 'VEHICLE_COLOR', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER_ID') VALUES ('104', 'GRAY', 'CAR', '1', '4876');
```

Output:

```
      0 17
      11:44:08
      CREATE TABLE 'database', 'vehicle_info' ( 'VEHICLE_ID' INT NOT NULL, 'VEHICLE_COLOR' VARCHAR(45) NOT NULL, 'VEHICLE_TYPE' VARCHAR(45) NOT NULL, 'VEHICLE_AGE' VEHICLE_AGE' VARCHAR(45) NOT NULL, 'VEHICLE_AGE' VARCHAR(45) NOT NULL, 'VEHICLE_AGE'
```

Creating table maintenance_info:

Output:

```
20 11:45:48 INSERT INTO 'database', 'vehicle_info' ('VEHICLE_ID', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER_ID') VALUES ('104; 'GRAY, 'CAR', 'I, '4876') 1 row(s) affected
21 11:45:48 INSERT INTO 'database', 'vehicle_info' ('VEHICLE_ID', 'VEHICLE_TYPE', 'VEHICLE_AGE', 'VEHICLE_OWNER_ID') VALUES ('104; 'GRAY, 'CAR', 'I, '4876') 1 row(s) affected
22 11:47:47 CREATE TABLE 'database', 'maintenance_info' ('VEHICLE_ID', INT NOT NULL, 'MAINTENANCE_DATE' DATE NOT NULL, 'PROCEDURE_CODE' INT NOT NULL, 'PROCEDURE_NAME' VARCHAR(45) NOT NULL, PRIMARY KE... 0 row(s) affected
```

Inserting data into table

```
. 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('101', '2019-06-10', '01', '01L CHANGE');
INSERT INTO 'database'.'maintenance_info' ('VEHICLE_ID',
INSERT INTO 'database'.'maintenance_info' ('VEHICLE_ID',
                                                                          `MAINTENANCE_DATE`,
`MAINTENANCE_DATE`,
                                                                                                    'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('101', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('101',
                                                                                                                                                                      '2019-03-06', '10', 'BREAKS');
'2019-03-03', '05', 'RADIATOR SERVICE');
INSERT INTO 'database'.'maintenance info' ('VEHICLE ID'
                                                                          'MAINTENANCE DATE'
                                                                                                    'PROCEDURE CODE'
                                                                                                                           'PROCEDURE NAME') VALUES ('102',
                                                                                                                                                                       '2019-02-21', '08'
                                                                                                                                                                                                'BROKEN WINDSHIELD');
INSERT INTO 'database'
                                                                           `MAINTENANCE_DATE
                                                                                                                            'PROCEDURE_NAME') VALUES ('102',
                                                                                                                                                                      '2019-04-09', '01', 'OIL CHANGE');
'2019-01-19', '01', 'OIL CHANGE');
INSERT INTO 'database', 'maintenance info' ('VEHICLE ID'
                                                                          'MAINTENANCE DATE'.
                                                                                                    'PROCEDURE CODE'
                                                                                                                            'PROCEDURE NAME') VALUES ('103',
INSERT INTO 'database'.'maintenance_info' ('VEHICLE_ID',
INSERT INTO 'database'.'maintenance_info' ('VEHICLE_ID',
                                                                                                                           'PROCEDURE_NAME') VALUES ('103',
'PROCEDURE_NAME') VALUES ('104',
                                                                          `MAINTENANCE_DATE`,
                                                                                                    PROCEDURE_CODE
                                                                          `MAINTENANCE_DATE`, `PROCEDURE_CODE`,
INSERT INTO 'database'.'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('104', '2019-05-22', '12', 'BATTERY REPLACEMENT');
```

Output:

```
23 11:48:20 INSERT INTO 'database'. 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('101, '2019-06-10, '01, '01L CHANGE')
                                                                                                                                                                                                                            1 row(s) affecte
24 11:48:20 INSERT INTO "database". maintenance_info" ("VEHICLE_ID", "MAINTENANCE_DATE", "PROCEDURE_CODE", "PROCEDURE_NAME") VALUES ("101", "2019-03-06", "10", "BREAKS")
                                                                                                                                                                                                                           1 row(s) affected
25 11:48:20 INSERT INTO 'database' .'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('101, '2019-03-03, '05, 'RADIATOR SERVICE')
                                                                                                                                                                                                                           1 row(s) affected
◆ 26 11:48:20 INSERT INTO 'database'.'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('102', '2019-02-21', '08', 'BROKEN WINDSHIELD')
                                                                                                                                                                                                                           1 row(s) affected
27 11:48:20 INSERT INTO 'database'. 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('102, '2019-01-23, '05, 'RADIATOR SERVICE')
                                                                                                                                                                                                                           1 row(s) affected
                  INSERT INTO 'database'. 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('103', '2019-04-09', '01', 'OIL CHANGE')
                   INSERT INTO 'database'. 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('103, '2019-01-19, '01, 'OIL CHANGE')
30 11:48:20 INSERT INTO 'database', 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('104, '2019-05-12, '20', 'ANNUAL CHECK UP')
                                                                                                                                                                                                                           1 row(s) affected
31 11:48:20 INSERT INTO 'database'. 'maintenance_info' ('VEHICLE_ID', 'MAINTENANCE_DATE', 'PROCEDURE_CODE', 'PROCEDURE_NAME') VALUES ('104, '2019-05-22, '12, 'BATTERY REPLACEMENT')
                                                                                                                                                                                                                          1 row(s) affected
```

Based on the table that we created, querying the following

Q1: Most common vehicle type amongst the customers

```
/* Q1: Most common vehicle type amongest the customers */

• SELECT * FROM

→ (SELECT VEHICLE_TYPE, COUNT(DISTINCT VEHICLE_OWNER_ID) AS NUM_OWNERS

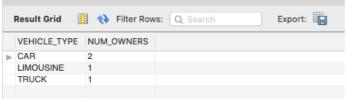
FROM vehicle_info
GROUP BY VEHICLE_TYPE) AS A

ORDER BY A.NUM_OWNERS DESC;

/* Most common vehicle type amongest the customers is Car. Two people own this vehicle type (car). */
```

Output:





Q2: The least popular vehicle color

```
/* Q2: The least popular vehicle color */

SELECT * FROM

○ (SELECT VEHICLE_COLOR, COUNT(DISTINCT VEHICLE_OWNER_ID) AS NUM_OWNERS

FROM vehicle_info

GROUP BY VEHICLE_COLOR) AS A

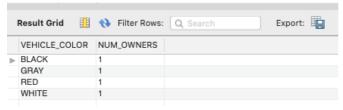
ORDER BY A.NUM_OWNERS ASC;

/* There is no least popular vehicle color. There is only 1 car of each color. */
```

Output

● 36 11:51:35 SELECT * FROM (SELECT vVEHICLE_TYPE, COUNT[DISTINCT o.VEHICLE_OWNER] AS NUM_OWNERS FROM owner_info as o LEFT JOIN vehicle_info as v ON o.VEHICLE_OWNER.] = vVEHICLE_OWNER.] D = vVEHICLE_OWNER.] D = vVEHICLE_OWNER.] STOWNER.] STOWNER

Table:



Q3: The average vehicle age

```
/* Q3: The average vehicle age */
• SELECT AVG (VEHICLE_AGE)
FROM vehicle_info;
/*The average vehicle age is 4 years.*/
```

Output:

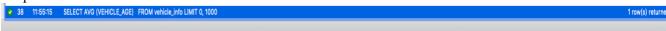
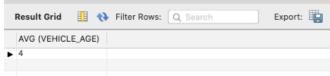


Table:



Q4: A frequency report for the count of cars by age group

```
/* Q4: A frequency report for the count of cars by age group */
                   SELECT AGE_BUCKET, COUNT(DISTINCT VEHICLE_ID) AS NUM_CARS
                   FROM
        WHEN VEHICLE_AGE >= 0 AND VEHICLE_AGE<2 THEN '0-2'
                            WHEN VEHICLE_AGE >= 2 AND VEHICLE_AGE<4 THEN '2-4'
                            WHEN VEHICLE_AGE >= 4 AND VEHICLE_AGE<6 THEN '4-6'
                          WHEN VEHICLE_AGE >= 6 AND VEHICLE_AGE<8 THEN '6-8'
                         ELSE '>=8
                - END AS AGE_BUCKET
                 FROM vehicle_info) AS B
                   GROUP BY B.AGE_BUCKET;
                   \prime* This is a requency report for the count of cars by age group. We devided all ages into four age groups (buckets). */
                   /* Each age group has one car. */
Output:
  36 11:51:35 SELECT * FROM (SELECT v.VEHICLE_TYPE, COUNT(DISTINCT o.VEHICLE_OWNER) AS NUM_OWNERS FROM owner_info as o LEFT JOIN vehicle_info as v On o.VEHICLE_OWNER_ID = v.VEHICLE_OWNER_ID GROUP BY v.VEHICLE... 3 row(s) returned
                                                       SELECT * FROM (SELECT v.VEHICLE_COLOR, COUNT(DISTINCT o.VEHICLE_OWNER) AS NUM_OWNERS FROM owner_info as o LEFT JOIN vehicle_info as v ON o.VEHICLE_OWNER_JD = v.VEHICLE_OWNER_JD 
                                                      SELECT AVG (VEHICLE_AGE) FROM vehicle_info LIMIT 0, 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 row(s) returned
    ▼ 39 11:56:18 SELECT AGE, BUCKET, COUNT(DISTINCT VEHICLE_ID) AS NUM, CARS FROM (SELECT VEHICLE_ID, CASE WHEN VEHICLE_AGE >= 0 AND VEHICLE_AGE < 2 THEN '0-2' WHEN VEHICLE_AGE >= 2 AND VEHICLE_AGE < THEN '2-2' WHEN VEHICLE_AGE >= 2 AND VEHICLE_AGE >= 0 AND VEHIC
Table:
         Result Grid
                                                                             Filter Rows: Q Search
                                                                                                                                                                                                                                                                                                      Export:
             AGE_BUCKET NUM_CARS
            >=8
             0-2
```

Schema "database" after creating all tables

2



2-5