Project 2 – Phase 2

Car Rental Database

CSE 3330-002

Prof. Guizani

April 16, 2021

Katia Lopez

Ai Nguyen

HONOR CODE

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or that I contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Task 1 commands, and if you have any comments to add, e.g., how you decided on specific data types, or constraints etc. [20 points]

```
CREATE TABLE CUSTOMER(
CustID int(3),
Name varchar(30) NOT NULL PRIMARY KEY,
Phone varchar(15));

CREATE TABLE RENTAL(
CustID int(3) NOT NULL,
VehicleID varchar(20) NOT NULL,
StartDate date,
OrderDate date,
RentalType int(1) NOT NULL,
Qty int(1),
ReturnDate date,
TotalAmount int(5),
PaymentDate date,
FOREIGN KEY (VehicleID) REFERENCES vehicle(VehicleID)
FOREIGN KEY (CustID) REFERENCES customer(CustID));
```

```
CREATE TABLE VEHICLE(
VehicleID char(20) NOT NULL PRIMARY KEY,
Description varchar(200),
Year int(4),
Type int(1),
Category int(1));

CREATE TABLE RATE(
Type int(1),
Category int(1),
Weekly float,
Daily float,
FOREIGN KEY (Type) REFERENCES vehicle(Type)
FOREIGN KEY (Category) REFERENCES vehicle(Category));
```

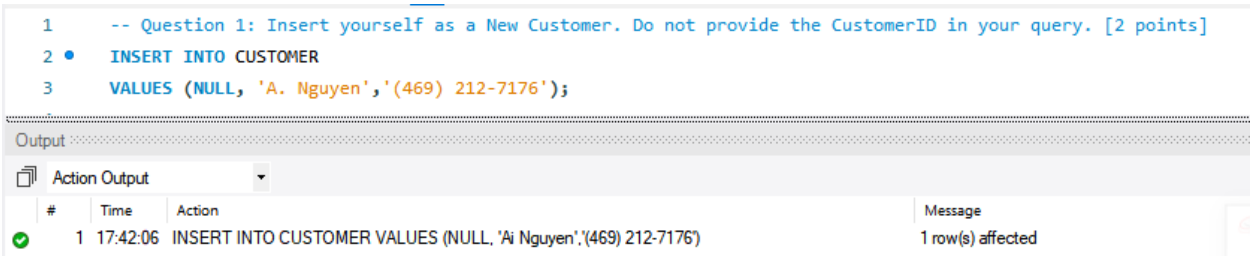
For task 2, describe your methodology, paste your commands (text), and let us know if there were any challenges. [20 points]

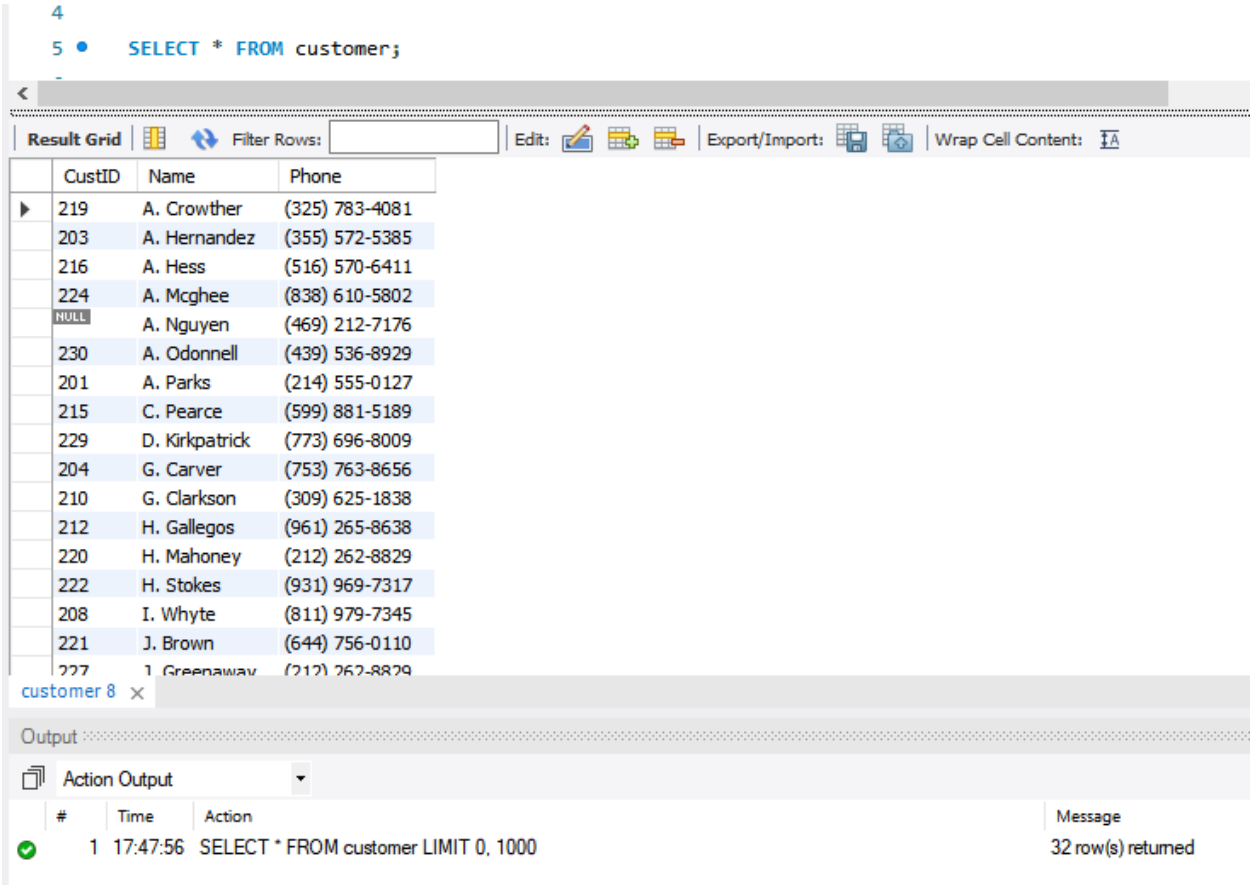
To load the data into the tables, we used a tool in MySQL Workbench. After creating the schema and the tables, we right clicked on each table and used a tool called “Table Data Import Wizard”. For each table, we had to pick the corresponding .csv file.

For task 3, type the question description, your query text, a screenshot of the query output, and the total number of records returned or affected. Also, let us know if there were any challenges. Note that your query has to be editable. [50 points]

Question 1: Insert yourself as a New Customer. Do not provide the CustomerID in your query. [2 points]

INSERT INTO CUSTOMER
VALUES (NULL, 'A. Nguyen','4692127176');



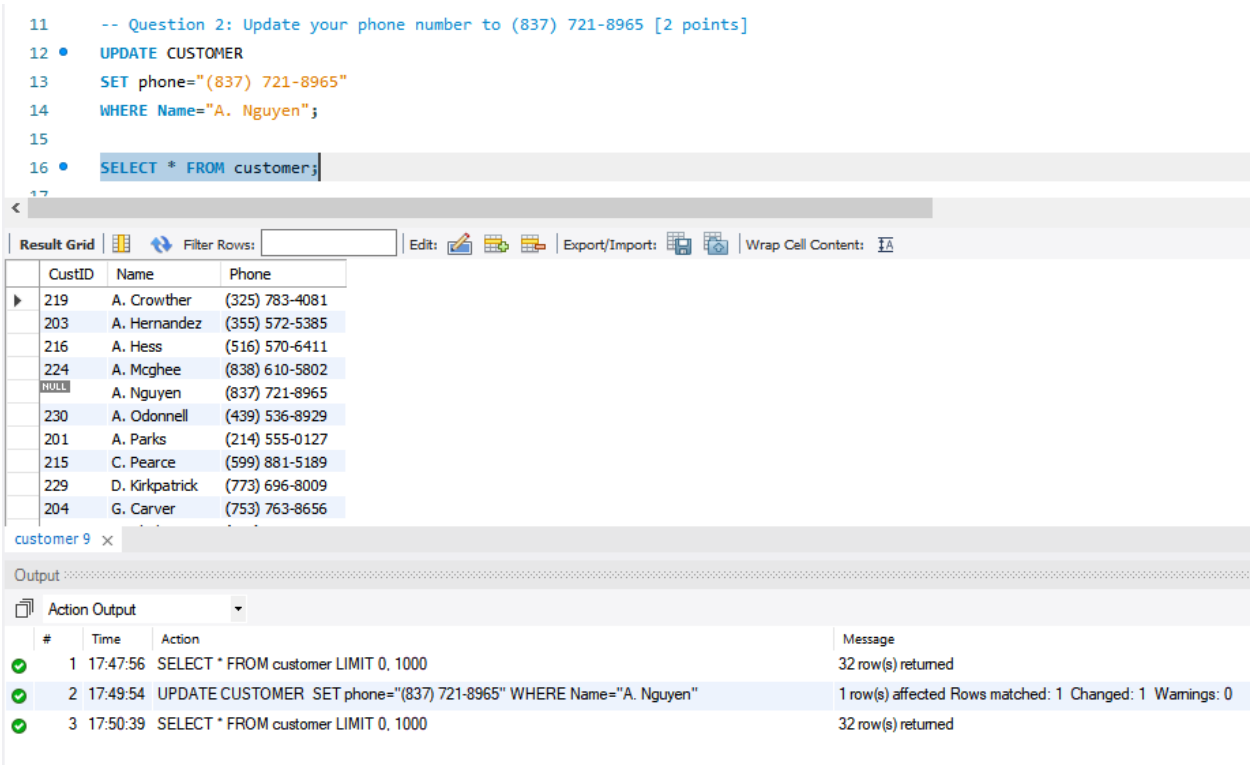


Question 2: Update your phone number to (837) 721-8965 [2 points]

UPDATE CUSTOMER

SET phone="(837) 721-8965"

WHERE Name="A. Nguyen";



```
11      -- Question 2: Update your phone number to (837) 721-8965 [2 points]
12      UPDATE CUSTOMER
13      SET phone="(837) 721-8965"
14      WHERE Name="A. Nguyen";
15
16      SELECT * FROM customer;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

CustID	Name	Phone
219	A. Crowther	(325) 783-4081
203	A. Hernandez	(355) 572-5385
216	A. Hess	(516) 570-6411
224	A. Mcghee	(838) 610-5802
NULL	A. Nguyen	(837) 721-8965
230	A. Odonnell	(439) 536-8929
201	A. Parks	(214) 555-0127
215	C. Pearce	(599) 881-5189
229	D. Kirkpatrick	(773) 696-8009
204	G. Carver	(753) 763-8656

customer 9

Output

Action Output

#	Time	Action	Message
1	17:47:56	SELECT * FROM customer LIMIT 0, 1000	32 row(s) returned
2	17:49:54	UPDATE CUSTOMER SET phone="(837) 721-8965" WHERE Name="A. Nguyen"	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
3	17:50:39	SELECT * FROM customer LIMIT 0, 1000	32 row(s) returned

Question 3: Increase only daily rates for luxury vehicles by 5% [2 points]

UPDATE RATE

SET Daily = Daily*1.05

WHERE Category = 1;

```
65 •  UPDATE RATE
66    SET Daily = Daily*1.05
67    WHERE Category = 1;
68
69 •  SELECT * FROM carrental.rate;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Type	Category	Weekly	Daily
1	0	480	80
1	1	600	105
2	0	530	90
2	1	660	115.5
3	0	600	100
3	1	710	126
4	0	685	115
4	1	800	141.75
5	0	780	130
6	0	685	115
5	1	900	157.5
6	1	800	141.75

rate 10

Output

Action Output

#	Time	Action	Message
1	18:01:21	UPDATE RATE SET Daily = Daily*1.05 WHERE Category = 1	6 row(s) affected Rows matched: 6 Changed: 6 Warnings: 0
2	18:02:19	SELECT * FROM carrental.rate LIMIT 0, 1000	12 row(s) returned

Question 4-a: Insert a new luxury van with the following info: Honda Odyssey 2019, vehicle id: 5FNRL6H58KB133711[2 points]

INSERT INTO VEHICLE

VALUES ("5FNRL6H58KB133711", "Honda Odyssey", 2019, 6, 1);

```
8     -- Question 4-a: Insert a new luxury van with the following info: Honda Odyssey 2019, vehicle id: 5FNRL6H58KB133711 [2 points]
9     -- Type: 1:Compact, 2:Medium, 3:Large, 4:SUV, 5:Truck, 6:VAN
10    -- Category: 0:Basic, 1:Luxury
11    INSERT INTO VEHICLE
12    VALUES ("5FNRL6H58KB133711", "Honda Odyssey", 2019, 6, 1);
13
14    SELECT * FROM vehicle;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

VehicleID	Description	Year	Type	Category
4S4BSELC0F3325370	Subaru Outback	2015	4	0
5FNRL6H58KB133711	Honda Odyssey	2019	6	1
5J6RM4H90FL028629	Honda CR-V	2015	4	0
5N1AL0MM8EL549388	Infiniti JX35	2014	4	1
5NPDH4AE2FH565275	Hyundai Elantra	2015	1	0

vehicle 5

Output

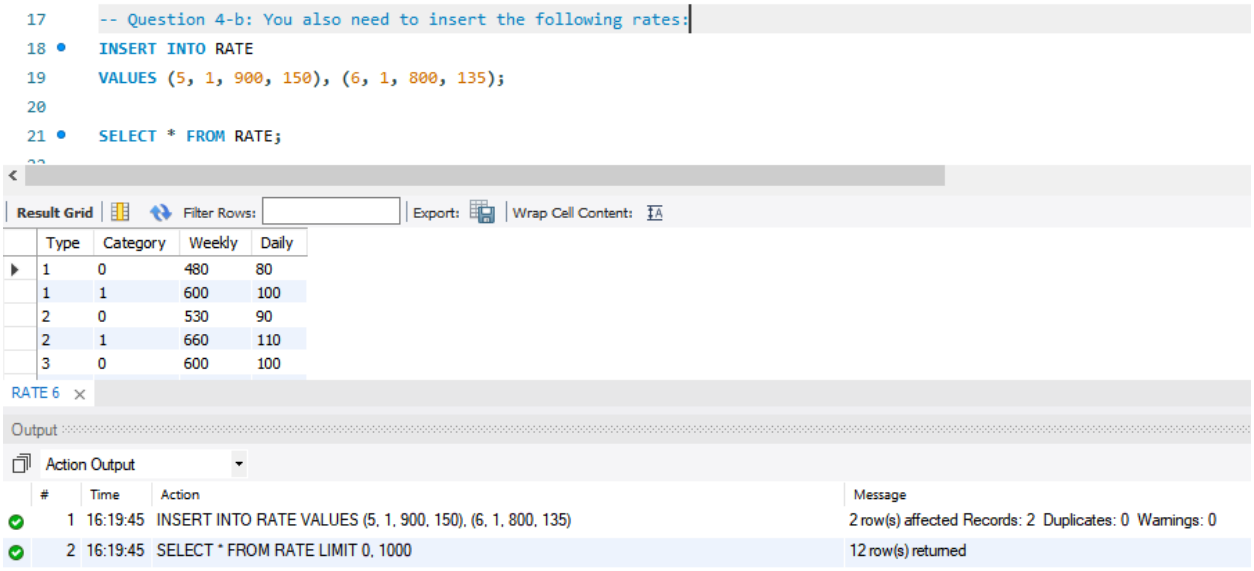
Action Output

#	Time	Action	Message
1	16:16:46	INSERT INTO VEHICLE VALUES ("5FNRL6H58KB133711", "Honda Odyssey", 2019, 6, 1)	1 row(s) affected
2	16:16:46	SELECT * FROM vehicle LIMIT 0, 1000	61 row(s) returned

Question 4-b: You also need to insert the following rates: [1 point]

INSERT INTO RATE

VALUES (5, 1, 900, 150), (6, 1, 800, 135);



Question 5: Return all Compact(1) & Luxury(1) vehicles that were available for rent from June 01, 2019 until June 20, 2019. List VechicleID as VIN, Description, year, and how many days have been rented so far. You need to change the weeks into days.[15 points]

SELECT DISTINCT RENTAL.VehicleID AS VIN, Description, Year , SUM(Qty *RentalType) AS 'Days rented so far'FROM RENTAL, VEHICLE
WHERE
VEHICLE.VehicleID = RENTAL.VehicleID AND (VEHICLE.type = 1 OR VEHICLE.category = 1) AND
RENTAL.VehicleID NOT IN (
SELECT vehicleID
FROM RENTAL
WHERE (StartDate BETWEEN '2019-06-01' AND '2019-06-20') OR (ReturnDate BETWEEN '2019-06-01' AND '2019-06-20')
)
GROUP BY RENTAL.VehicleID;

```
85 •  SELECT  DISTINCT RENTAL.VehicleID AS VIN, Description, Year , SUM( Qty *RentalType) AS 'Days rented so far'FROM   RENTAL, VEHICLE
86    WHERE
87      VEHICLE.VehicleID = RENTAL.VehicleID AND (VEHICLE.type = 1 OR VEHICLE.category = 1)  AND
88    RENTAL.VehicleID NOT IN (
89    SELECT vehicleID
90    FROM RENTAL
91    WHERE (StartDate BETWEEN '2019-06-01' AND '2019-06-20') OR (ReturnDate BETWEEN '2019-06-01' AND '2019-06-20')
92    )
93    GROUP BY RENTAL.VehicleID;
94
95
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

VIN	Description	Year	Days rented so far
JTHFF2C26F135BX45	Lexus IS 250C	2015	49
WAUTFAFH0E0010613	Audi A5	2014	55
WBA3A9G51ENN73366	BMW 3 Series	2014	42
WBA3B9C59EP458859	BMW 3 Series	2014	42
WDCGG0EB0EG188709	Mercedes_Benz GLK	2014	42

Result 29

Output

Action Output

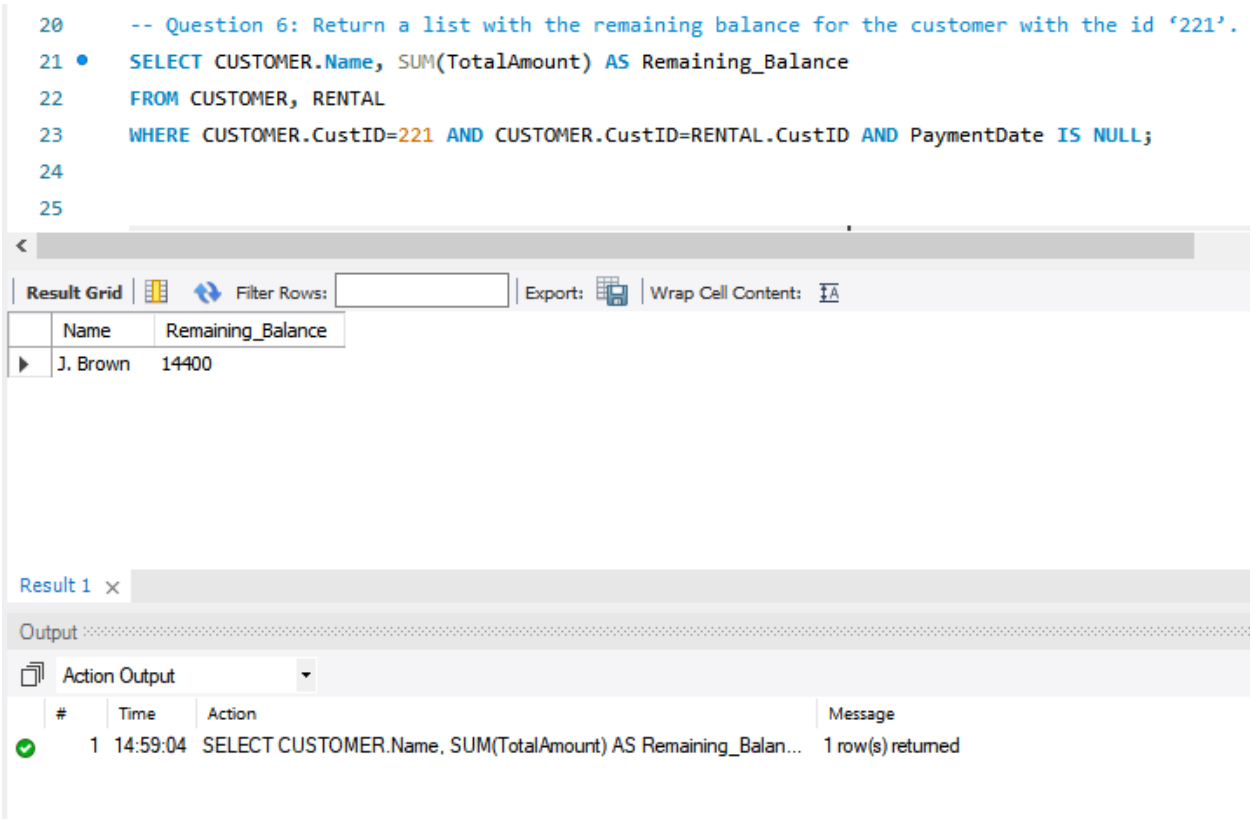
#	Time	Action	Message
1	22:23:58	SELECT DISTINCT RENTAL.VehicleID AS VIN, Description, Year , SUM(Qty *RentalType) AS 'Days...	5 row(s) returned

Question 6: Return a list with the remaining balance for the customer with the id '221'. List customer name, and the balance.[3 points]

SELECT CUSTOMER.Name, SUM(TotalAmount) AS Remaining_Balance

FROM CUSTOMER, RENTAL

WHERE CUSTOMER.CustID=221 AND CUSTOMER.CustID=RENTAL.CustID AND PaymentDate IS NULL;



Question 7: Create a report that will return all vehicles. List the VehicleID as VIN, Description, Year, Type, Category, and Weekly and Daily rates. For the vehicle Type and Category, you need to use the SQL Case statement to substitute the numbers with text. Order your results based on Category (first Luxury and then Basic) and Type based on the Type number, not the text. [4 points]

```
SELECT DISTINCT VehicleID AS VIN, Description, Year, Weekly, Daily,
        CASE V.Category
                WHEN 1 THEN 'Luxury'
                WHEN 0 THEN 'Basic'
        END AS Category,
   CASE V.Type
                WHEN 1 THEN 'Compact'
                WHEN 2 THEN 'Medium'
                WHEN 3 THEN 'Large'
                WHEN 4 THEN 'SUV'
                WHEN 5 THEN 'Truck'
                WHEN 6 THEN 'VAN'
        END AS VehicleType
FROM VEHICLE AS V JOIN RATE AS R
ON V.Type = R.Type AND V.Category = R.Category
ORDER BY V.Category DESC, V.Type ASC;
```

**Screenshots on next pages

Question 7 Continued

```
101 •  SELECT DISTINCT VehicleID AS VIN, Description, Year, Weekly, Daily,
102        CASE V.Category
103            WHEN 1 THEN 'Luxury'
104            WHEN 0 THEN 'Basic'
105        END AS Category,
106        CASE V.Type
107            WHEN 1 THEN 'Compact'
108            WHEN 2 THEN 'Medium'
109            WHEN 3 THEN 'Large'
110            WHEN 4 THEN 'SUV'
111            WHEN 5 THEN 'Truck'
112            WHEN 6 THEN 'VAN'
113        END AS VehicleType
114    FROM VEHICLE AS V JOIN RATE AS R
115    ON V.Type = R.Type AND V.Category = R.Category
116    ORDER BY V.Category DESC, V.Type ASC;
117
118
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

VIN	Description	Year	Weekly	Daily	Category	VehicleType
19VDE1F3XEE414842	Acura ILX	2014	600	105	Luxury	Compact
WAUTFAFH0E0010613	Audi A5	2014	600	105	Luxury	Compact
JTHFF2C26F135BX45	Lexus IS 250C	2015	600	105	Luxury	Compact
WDCGG0EB0EG188709	Mercedes_Benz GLK	2014	600	105	Luxury	Compact
WBA3B9C59EP458859	BMW 3 Series	2014	600	105	Luxury	Compact
WBA3A9G51ENN73366	BMW 3 Series	2014	600	105	Luxury	Compact

Question 7 Continued

	JTHCE1BL3F151DE04	Lexus GS 350	2015	660	115.5	Luxury	Medium
	JTHBW1GG1F120DU53	Lexus ES 300h	2015	660	115.5	Luxury	Medium
	1VWCH7A3XEC037969	Volkswagen Passat	2014	660	115.5	Luxury	Medium
	WAU32AFD8FN005740	Audi A8	2015	710	126	Luxury	Large
	JTHDL5EF9F5007221	Lexus LS 460	2015	710	126	Luxury	Large
	JH4KC1F56EC000095	Acura RLX	2014	710	126	Luxury	Large
	JH4KC1F50EC800004	Acura RLX	2014	710	126	Luxury	Large
	WBAVL1C57EVR93286	BMW X1	2014	800	141.75	Luxury	SUV
	YV440MDD6F2617077	Volvo XC60	2015	800	141.75	Luxury	SUV
	5N1AL0MM8EL549388	Infiniti JX35	2014	800	141.75	Luxury	SUV
	YV4940NB5F1191453	Volvo XC70	2015	800	141.75	Luxury	SUV
	JTJHY7AX2F120EA11	Lexus LX 570	2015	800	141.75	Luxury	SUV
	JTJJM7FX2E152CD75	Lexus GX460	2014	800	141.75	Luxury	SUV
	WA1LGAFE8ED001506	Audi Q7	2014	800	141.75	Luxury	SUV
	5FNRL6H58KB133711	Honda Odyssey	2019	800	141.75	Luxury	VAN
	JM1BM1V35E1210570	Mazda 3	2014	480	80	Basic	Compact
	1G1JD5SB3E4240835	Chevrolet Optra	2014	480	80	Basic	Compact
	KNAFZ4A86E5195895	KIA Forte	2014	480	80	Basic	Compact
	KMHTC6AD8EU998631	Hyundai Veloster	2014	480	80	Basic	Compact
	2HGFB2F94FH501940	Honda Civic	2015	480	80	Basic	Compact
	5NPDH4AE2FH565275	Hyundai Elantra	2015	480	80	Basic	Compact
	3MZBM1L74EM109736	Mazda 3	2014	480	80	Basic	Compact
	3N1CE2CP0FL409472	Nissan Versa Note	2015	480	80	Basic	Compact
	3N1CN7APXEK444458	Nissan Versa	2014	480	80	Basic	Compact
	3VW2A7AU1FM012211	Volkswagen Golf	2015	480	80	Basic	Compact
	JF1GPAA61F8314971	Subaru Impreza	2015	480	80	Basic	Compact
	1N4AB7AP2EN855026	Nissan Sentra	2014	480	80	Basic	Compact
	KNAGN4AD2F5084324	Kia Optima Hybrid	2015	530	90	Basic	Medium
	1HGCR2E3XEA305302	Honda Accord	2014	530	90	Basic	Medium
	KNALU4D42F6025717	Kia K900	2015	600	100	Basic	Large
	KNALN4D75E5A57351	Kia Cadenza	2014	600	100	Basic	Large
	4S4BSBF39F3261064	Subaru Outback	2015	685	115	Basic	SUV
	5XYKUDA77EG449709	Kia Sorento	2014	685	115	Basic	SUV
	5XYKU4A7XFG622415	Kia Sorento	2015	685	115	Basic	SUV
	KNAFZ4A86E5195865	KIA Sportage	2014	685	115	Basic	SUV
	JM3KE4DY4F0441471	Mazda CX5	2015	685	115	Basic	SUV
	JTMBFREV1FJ019885	Toyota RAV4	2015	685	115	Basic	SUV
	KM8SN4HF0FU107203	Hyundai Santa Fe	2015	685	115	Basic	SUV
	KMHJT3AF1FU028211	Hyundai Tucson	2015	685	115	Basic	SUV
	5XYKT4A75FG610224	Kia Sorento	2015	685	115	Basic	SUV
	KNDPCCA65F7791085	KIA Sportage	2015	685	115	Basic	SUV
	JM3TB3DV0E0015742	Mazda CX9	2014	685	115	Basic	SUV
	2T3DFREV0FW317743	Toyota RAV4	2015	685	115	Basic	SUV
	5TDBKRFH4ES26D590	Toyota Highlander	2014	685	115	Basic	SUV

Question 7 Continued

	5J6RM4H90FL028629	Honda CR-V	2015	685	115	Basic	SUV
	4S4BRCFC1E3203823	Subaru Outback	2014	685	115	Basic	SUV
	JN8AS5MV0FW760408	Nissan Rogue Select	2015	685	115	Basic	SUV
	4S4BSELC0F3325370	Subaru Outback	2015	685	115	Basic	SUV
	JTEZUEJR7E5081641	Toyota 4Runner	2014	685	115	Basic	SUV
	1FDRF3B61FEA87469	Ford Super Duty Pi...	2015	780	130	Basic	Truck
	1N6BA0EJ9EN516565	Nissan Titan	2014	780	130	Basic	Truck
	1GB3KZCG1EF117132	Chevrolet Silverado	2014	780	130	Basic	Truck
	1FTNF1CF2EKE54305	Ford F Series Pickup	2014	780	130	Basic	Truck
	1N6BF0KM0EN101134	Nissan NV	2014	685	115	Basic	VAN
	1FDEE3FL6EDA29122	Ford E 350	2014	685	115	Basic	VAN

Result 5 ×

Output

Action Output

#	Time	Action	Message
1	19:50:07	SELECT DISTINCT VehicleID AS VIN, Description, Year, Weekly, Daily, CASE V.Category WHEN 1 ...	61 row(s) returned

Question 8: What is the total of money that customers paid to us until today? [2 points]

SELECT SUM(TotalAmount) AS Total_Money_Paid

FROM RENTAL

WHERE PaymentDate IS NOT NULL;

```
26      -- Question 8: What is the total of money that customers paid to us until today? [2 points]
27 •    SELECT SUM(TotalAmount) AS Total_Money_Paid
28      FROM RENTAL
29      WHERE PaymentDate IS NOT NULL;
30
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Total_Money_Paid
8230

Result 3

Output

Action Output

#	Time	Action	Message
1	15:02:44	SELECT SUM(TotalAmount) AS Total_Money_Paid FROM RENTAL W...	1 row(s) returned

Question 9-a: Create a report for the J. Brown customer with all vehicles he rented. List the description, year, type, and category. Also, calculate the unit price for every rental, the total duration mention if it is on weeks or days, the total amount, and if there is any payment. Similarly, as in Question 7, you need to change the numeric values to the corresponding text. Order the results by the StartDate. [6 points]

```
SELECT Description, Year, Rental.TotalAmount, DATEDIFF(ReturnDate, StartDate) AS
Duration_In_Days,
        CASE V.Category
                WHEN 1 THEN 'Luxury'
                WHEN 0 THEN 'Basic'
        END AS Category,
        CASE V.Type
                WHEN 1 THEN 'Compact'
                WHEN 2 THEN 'Medium'
                WHEN 3 THEN 'Large'
                WHEN 4 THEN 'SUV'
                WHEN 5 THEN 'Truck'
                WHEN 6 THEN 'VAN'
        END AS Type,
        CASE
                WHEN Rental.PaymentDate IS NULL THEN 'Not Paid'
                ELSE "Paid"
        END AS Payment,
        CASE
                WHEN Rental.RentalType=7 THEN TotalAmount/DATEDIFF(ReturnDate, StartDate)
                 ELSE TotalAmount/DATEDIFF(ReturnDate, StartDate)
        END AS Unit_Price
FROM VEHICLE AS V, RATE, RENTAL, CUSTOMER AS C
WHERE C.Name="J. Brown" AND C.CustID="221" AND V.Type=RATE.Type AND
V.Category=RATE.Category  AND C.CustID=RENTAL.CustID AND Rental.VehicleID=V.VehicleID
ORDER BY RENTAL.StartDate;
```

** Screenshot on next page

```
148  /* Question 9-a: Create a report for the J. Brown customer with all vehicles he rented.
149  List the description, year, type, and category. Also, calculate the unit price for every rental,
150  the total duration mention if it is on weeks or days, the total amount, and if there is any payment.
151  Similarly, as in Question 7, you need to change the numeric values to the corresponding text.
152  Order the results by the StartDate. [6 points] */
153  SELECT Description, Year, Rental.TotalAmount, DATEDIFF(ReturnDate, StartDate) AS Duration_In_Days,
154      CASE V.Category
155          WHEN 1 THEN 'Luxury'
156          WHEN 0 THEN 'Basic'
157      END AS Category,
158      CASE V.Type
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Description	Year	TotalAmount	Duration_In_Days	Category	Type	Payment	Unit_Price
Audi A5	2014	600	7	Luxury	Compact	Paid	85.7143
Acura ILX	2014	600	7	Luxury	Compact	Paid	85.7143
Audi A5	2014	200	2	Luxury	Compact	Paid	100.0000
Acura ILX	2014	200	2	Luxury	Compact	Paid	100.0000
Mercedes_Benz GLK	2014	2400	28	Luxury	Compact	Not Paid	85.7143
BMW 3 Series	2014	2400	28	Luxury	Compact	Not Paid	85.7143
BMW 3 Series	2014	2400	28	Luxury	Compact	Not Paid	85.7143
Audi A5	2014	2400	28	Luxury	Compact	Not Paid	85.7143
Lexus IS 250C	2015	2400	28	Luxury	Compact	Not Paid	85.7143
Acura ILX	2014	2400	28	Luxury	Compact	Not Paid	85.7143

Result 34

Output

Action Output

#	Time	Action	Message
1	23:31:39	SELECT Description, Year, Rental.TotalAmount, DATEDIFF(ReturnDate, StartDate) AS Duration_In_...	10 row(s) returned

For question 9a, we assumed that the unit price was the total amount divided by the duration of the rental (in days). This would result in the price per unit which is day.

Question 9-b: For the same customer return the current balance. [2 points]

SELECT SUM(TotalAmount) AS 'Current Balance'

FROM RENTAL AS R, CUSTOMER AS C

WHERE C.Name = 'J. Brown' AND C.CustID = R.CustID AND PaymentDate IS NULL;

```
153     /* Question 9-b: For the same customer return the current balance. [2 points] */
154 •   SELECT SUM(TotalAmount) AS 'Current Balance'
155     FROM RENTAL AS R, CUSTOMER AS C
156     WHERE C.Name = 'J. Brown' AND C.CustID = R.CustID AND PaymentDate IS NULL;
157
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Current Balance
14400

Result 14

Output

Action Output

#	Time	Action	Message
1	18:24:48	SELECT SUM(TotalAmount) AS 'Current Balance' FROM REN...	1 row(s) returned
2	18:29:34	SELECT SUM(TotalAmount) AS 'Current Balance' FROM REN...	1 row(s) returned

Question 10: Retrieve all weekly rentals for the vechicleID ‘19VDE1F3XEE414842’ that are not paid yet. List the Customer Name, the start and return date, and the amount.[3 points]

SELECT CUSTOMER.Name, StartDate, ReturnDate, TotalAmount

FROM CUSTOMER, RENTAL

WHERE Rental.VehicleID='19VDE1F3XEE414842' AND Customer.CustID=Rental.CustID AND PaymentDate IS NULL;

```
32    -- Question 10: Retrieve all weekly rentals for the vechicleID ‘19VDE1F3XEE414842’ that are not paid yet.
33    -- List the Customer Name, the start and return date, and the amount.[3 points]
34 •  SELECT CUSTOMER.Name, StartDate, ReturnDate, TotalAmount
35    FROM CUSTOMER, RENTAL
36    WHERE Rental.VehicleID='19VDE1F3XEE414842' AND Customer.CustID=Rental.CustID AND PaymentDate IS NULL;
37
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Name	StartDate	ReturnDate	TotalAmount
G. Clarkson	2019-11-01	2019-11-15	1200
J. Brown	2020-01-01	2020-01-29	2400

Result 1

Output

Action Output

#	Time	Action	Message
1	16:06:28	SELECT CUSTOMER.Name, StartDate, ReturnDate, TotalAmount FROM CUSTOMER, RENTAL WH...	2 row(s) returned

Question 11: Return all customers that they never rent a vehicle. [3 points]

```
SELECT DISTINCT Name
FROM CUSTOMER AS C, RENTAL AS R
WHERE Name NOT IN (
    SELECT Name
    FROM RENTAL AS R, CUSTOMER AS C
    WHERE R.CustID = C.CustID);
```

```
159     /* Question 11: Return all customers that they never rent a vehicle. [3 points] */
160 •   SELECT DISTINCT Name
161     FROM CUSTOMER AS C, RENTAL AS R
162     WHERE Name NOT IN (
163         SELECT Name
164         FROM RENTAL AS R, CUSTOMER AS C
165         WHERE R.CustID = C.CustID);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Name
A. Crowther
A. Mcghee
A. Nguyen
A. Odonnell
A. Parks
C. Pearce
G. Carver
H. Mahoney
H. Stokes
I. Whyte
J. Greenaway
J. Reeves
K. Kaiser A...
K. Kay
L. Bernal
L. Lott
L. Lutz
L. Mullen
L. Perkins
M. Beach
M. Lee
R. Armstrong
R. Booker
S. Patel
Sh. Byers
Sh. Dunlap

Result 21

Output

Action Output

#	Time	Action	Message
1	18:52:45	SELECT DISTINCT Name FROM CUSTOMER AS C, RENTA...	26 row(s) returned

Question 12: Return all rentals that the customer paid on the StartDate. List Customer Name, Vehicle Description, StartDate, ReturnDate, and TotalAmount. Order by Customer Name.[3 points]

SELECT CUSTOMER.Name, Description, StartDate, ReturnDate, TotalAmount

FROM CUSTOMER, VEHICLE, RENTAL

WHERE StartDate=PaymentDate AND CUSTOMER.CustID=RENTAL.CustID AND VEHICLE.VehicleID=RENTAL.VehicleID

ORDER BY CUSTOMER.Name;

```
39    -- Question 12: Return all rentals that the customer paid on the StartDate.
40    -- List Customer Name, Vehicle Description, StartDate, ReturnDate, and TotalAmount.
41    -- Order by Customer Name.[3 points]
42    SELECT CUSTOMER.Name, Description, StartDate, ReturnDate, TotalAmount
43    FROM CUSTOMER, VEHICLE, RENTAL
44    WHERE StartDate=PaymentDate AND CUSTOMER.CustID=RENTAL.CustID AND VEHICLE.VehicleID=RENTAL.VehicleID
45    ORDER BY CUSTOMER.Name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Name	Description	StartDate	ReturnDate	TotalAmount
A. Hernandez	Mazda CX5	2019-09-09	2019-09-13	460
A. Hess	Nissan NV	2019-08-02	2019-08-30	2740
D. Kirkpatrick	Acura ILX	2019-05-06	2019-05-10	400
D. Kirkpatrick	Audi A5	2019-05-06	2019-05-10	400
H. Gallegos	Acura ILX	2019-06-10	2019-07-01	1800
J. Brown	Acura ILX	2019-07-01	2019-07-08	600
J. Brown	Audi A5	2019-07-01	2019-07-08	600

Result 4

Output

Action Output

#	Time	Action	Message
1	16:11:35	SELECT CUSTOMER.Name, Description, StartDate, ReturnDate, TotalAmount FROM CUSTOMER, ...	7 row(s) returned