CSE-3330-003/004 Fall 2020 Project II Part III

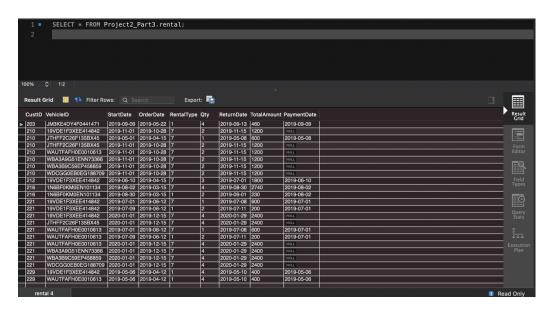
Bajaj, Sahil 1001662393

Sharma, Kartikey 1001659436 December 16, 2020

Query 1:

part1:

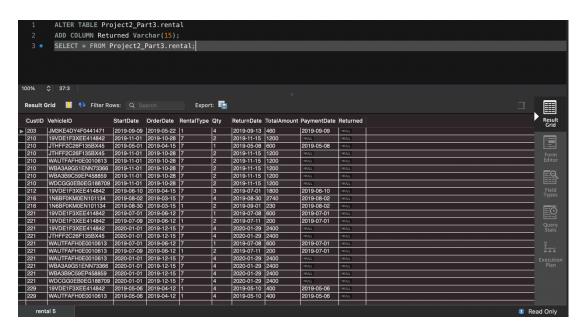
SELECT * FROM Project2_Part3.rental



part2:

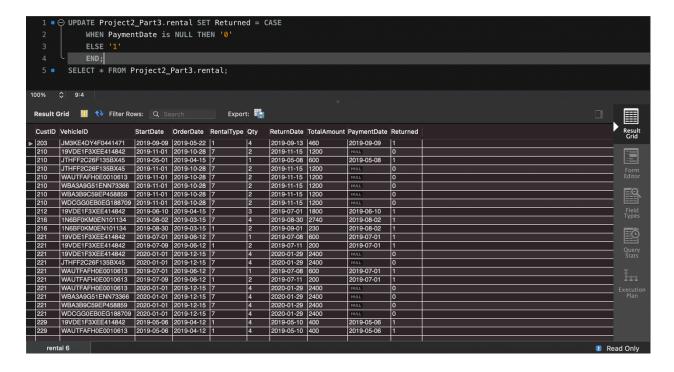
ALTER TABLE Project2_Part3.rental ADD COLUMN Returned Varchar(15);

SELECT * FROM Project2_Part3.rental;



part3:
UPDATE Project2_Part3.rental SET Returned = CASE
WHEN PaymentDate is NULL THEN '0'
ELSE '1'
END;

SELECT * FROM Project2 Part3.rental;



Query 2:

create view vRentalInfo as

select OrderDate, StartDate, ReturnDate, TotalDays, VehicleID as 'VIN', Description as 'Vehicle',

Category, CustID as 'CustomerID', Name as 'CustomerName', TotalAmount as 'OrderAmount', CASE WHEN Balance < 0 then 0 else Balance end as RentalBalance FROM (

SELECT a.OrderDate, a.StartDate, a.ReturnDate, datediff(a.ReturnDate, a.StartDate) as TotalDays, a.VehicleID, c.Description,

CASE WHEN d.Type = 1 THEN 'Compact'

WHEN d.Type = 2 THEN 'Medium'

WHEN d.Type = 3 THEN 'Large'

WHEN d.Type = 4 THEN 'SUV'

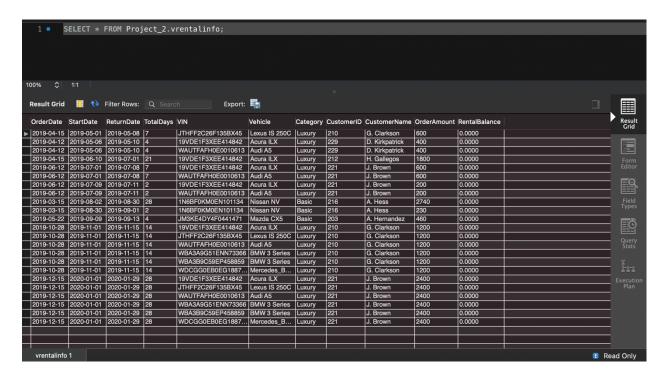
WHEN d.Type = 5 THEN 'Truck' ELSE 'Van' END AS Type,

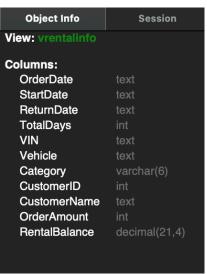
CASE WHEN d.Category = 0 THEN 'Basic' ELSE 'Luxury' END AS Category, b.CustID, b.Name,

a.TotalAmount,

CASE WHEN a.RentalType = 1 THEN a.TotalAmount - (datediff(a.ReturnDate, a.StartDate) * d.Daily)

ELSE a.TotalAmount - (datediff(a.ReturnDate, a.StartDate)/7 * d.Weekly) END as 'Balance' FROM rental a JOIN customer b on a.CustID = b.CustID join vehicle c on a.VehicleID = c.VehicleID join rate d on c.Type = d.Type and c.Category = d.Category) demo order by 2





QUERIES USED FOR TASK - 2:

1. INSERT INTO customer(CustID, Name,Phone) VALUES(232, '".\$_POST['name'])."', '".\$ POST['phone'])."');

OUTPUT:

Your Customer ID is '232'

Search for a Customer					
Add a Customer					
Enter name:	Kartikey Sharma				
Enter phone:	(682) 716-0218				
Submit					

Add a Vahiala

- \$_POST['name'] and \$_POST['phone'] variables hold the value of name and phone respectively.
- 2. INSERT INTO vehicle(`VehicleID`, `Description`, `Year`, `Type`, `Category`)

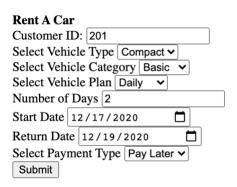
 ('".\$_POST['id']."','".\$_POST['desc']."','".\$_POST['year']."','".\$_POST['type']."','".\$_POST['
 category']."');
 - \$_POST['id'] denotes the Vehicle ID, \$_POST['desc'] denotes the description, \$_POST['year'] denotes the year, \$_POST['type'] denotes the type of vehicle and \$_POST['category'] denotes the category of the vehicle.

INPUT:

Add a Vehicle					
Vehicle ID: 5TBJN32112S291095					
Description: Acura TSX					
Year: 2000					
Vehicle Type: 1					
Vehicle Category: 1	\$				
Submit					

OUTPUT:

3. INSERT INTO rental(`CustID`, `VehicleID`, `StartDate`, `OrderDate`, `RentalType`, `Qty`,` ReturnDate`, `TotalAmount`, `PaymentDate`, `Returned`)
VALUES(".\$_POST['cid'].",'\$vehicle_id','".\$_POST['start']."','\$date','".\$_POST['plan']."','".\$_POST['quantity']."',".\$_POST['return']."','\$total_price',NULL,0)



OUTPUT:

	7 4 2020-01-29	2400 NULL	0 1
221 WBA3A9G51ENN73366 2020-01-01 2019-12-15	7 4 2020-01-29	2400 NULL	
221 WBA3B9C59EP458859 2020-01-01 2019-12-15	7 4 2020-01-29	2400 NULL	
221 WDCGG0EB0EG188709 2020-01-01 2019-12-15	7 4 2020-01-29	2400 NULL	0
229 19VDE1F3XEE414842 2019-05-06 2019-04-12	1 4 2019-05-10	400 2019-05-06	
229 WAUTFAFH0E0010613 2019-05-06 2019-04-12	1 4 2019-05-10	400 2019-05-06	
231 1G1JD5SB3E4240835 2020-12-16 2020-12-16	1 3 2020-12-18	240 2020-12-18	
201 JM3KE4DY4F0441471 2020-12-17 2020-12-16	1 2 2020-12-19	230 NULL	0
+			+
25 rows in set (0.00 sec)			
more all.			

4. UPDATE rental SET returned=1, PaymentDate='\$date' WHERE CustID='\$value[CustID]' AND TotalAmount=\$price;

INPUT:

Return a Car Customer Name: A. Parks Vehicle ID: JM3KE4DY4F0441471 Return Date 12/19/2020

OUTPUT:

```
| 221 | WAUTFAFH0E0010613 | 2019-07-01 | 2019-06-12 | 7 | 1 | 2019-07-08 | 600 | 2019-07-01 | 1 | 221 | WAUTFAFH0E0010613 | 2019-07-09 | 2019-06-12 | 1 | 2 | 2019-07-11 | 200 | 2019-07-01 | 1 | 1 | 221 | WAUTFAFH0E0010613 | 2020-01-01 | 2019-12-15 | 7 | 4 | 2020-01-29 | 2400 | NULL | 0 | 221 | WBA3A9G51ENN73366 | 2020-01-01 | 2019-12-15 | 7 | 4 | 2020-01-29 | 2400 | NULL | 0 | 221 | WBA3B9C59EP458859 | 2020-01-01 | 2019-12-15 | 7 | 4 | 2020-01-29 | 2400 | NULL | 0 | 221 | WBCGGGEBBGG188709 | 2020-01-01 | 2019-12-15 | 7 | 4 | 2020-01-29 | 2400 | NULL | 0 | 221 | WBCGGGEBBGG188709 | 2020-01-01 | 2019-12-15 | 7 | 4 | 2020-01-29 | 2400 | NULL | 0 | 229 | 19VDE1F3XEE414842 | 2019-05-06 | 2019-04-12 | 1 | 4 | 2019-05-10 | 400 | 2019-05-06 | 1 | 229 | WAUTFAFH0E0010613 | 2019-05-06 | 2019-04-12 | 1 | 4 | 2019-05-10 | 400 | 2019-05-06 | 1 | 231 | 1G1JD5SB3E4240835 | 2020-12-16 | 2020-12-16 | 1 | 3 | 2020-12-18 | 240 | 2020-12-18 | 1 | 201 | JM3KE4DY4F0441471 | 2020-12-17 | 2020-12-16 | 1 | 2 | 2020-12-19 | 230 | 2020-12-19 | 1 | 25 | rows in set (0.00 sec)
```

5. For empty input:

SELECT * FROM customer;

For only ID input:

- SELECT * from customer WHERE CustID='\$custID' LIMIT 1;
- SELECT * FROM rental WHERE CustID='\$customer_id' and PaymentDate IS NULL;
 For only name input:
 - SELECT * from customer WHERE Name='\$name%' OR Name LIKE '\$name' OR
 Name LIKE '%\$name%' OR Name LIKE '%\$name' LIMIT 1;
 - SELECT * FROM rental WHERE CustID='\$cust_id' and PaymentDate IS NULL;

OUTPUT on inputting one of the fields:

Customer id [2	201		Customer name	
Customer Id	Name	Dues		
201	A. Parks			

OUTPUT after neither value is provided in the search bar:

