SQL Queries

1. List customer information for customers from Georgia and whose zip code starts with a number three.

```
1  SELECT * FROM customer
2  WHERE customer.state = 'GA'
3  AND customer.zip LIKE '3%';
4
```

RESULT

	custID	custName	street	city	state	zip	cardName	cardNumber	expiration	cvv
Edit Copy Delete	4	Leanne Juliane	7852 Shirley Drive	Columbus	GA	31904	Leanne Juliane	4260099652333682	01/23	229
Edit Copy Delete	7	Kellan Josey	3 Beaver Ridge Avenue	Fairburn	GA	30213	Kellan Josey	4640421254791888	09/25	242

SQL Queries

2. List unique customer information for all customers who placed orders whose first name starts with a letter ‘W’ and card number starts with a ‘5’.

```
SELECT
DISTINCT customer.custID ,customer.custName,customer.street,
customer.city,customer.state,customer.zip,customer.cardNumber
FROM customer INNER JOIN orders ON
customer.custID=orders.custID
WHERE customer.cardNumber LIKE '5%'
AND customer.custName LIKE 'W%'
```

RESULT

custID	custName	street	city	state	zip	cardNumber
8	Windsor Brittania	7 Franklin Avenue	Circle Pines	MN	55014	5118693071833602
11	Wilda Rosemary	403 Maple St	Wenatchee	WA	98801	5161924162948819

SQL Queries

3. Show the average price of products bought by customers from California.

```
1 SELECT AVG(product.productPrice)
2 FROM customer,orders,orderline,product
3 WHERE customer.custID =orders.custID
4 AND orderline.orderID=orders.orderID
5 AND product.productID =orderline.productID
6 AND customer.state = 'CA';
```

RESULT

AVG(product.productPrice)
139.99

SQL Queries

4. List total dollar amount ordered for each order.

```
1 SELECT orders.orderID, SUM(orderline.quantity*product.productPrice)AS Total
2 FROM product,orderline,orders
3 WHERE orders.orderID = orderline.orderID
4 AND orderline.productID=product.productID
5 GROUP BY orders.orderID ASC;
6
```

RESULT

orderID	Total
1001	27.569999999999997
1002	50.97
1003	849.99
1004	84.99
1005	243.97
1006	5.97
1007	129.99
1008	11.98
1009	16.99
1010	229.99
1011	1699.98
1012	41.93
1013	19.9
1014	254.84999999999997
1015	51.16
1016	169.98
1017	339.96
1018	139.99
1019	11.98
1020	11.98

SQL Queries

5. List customer names who ordered “Sticky Note”.

```
1 SELECT custName FROM customer,product,orderline,orders
2 WHERE customer.custID = orders.custID
3 AND orders.orderID = orderline.orderID
4 AND orderline.productID=product.productID
5 AND product.productName = 'Sticky Notes';
```

RESULT

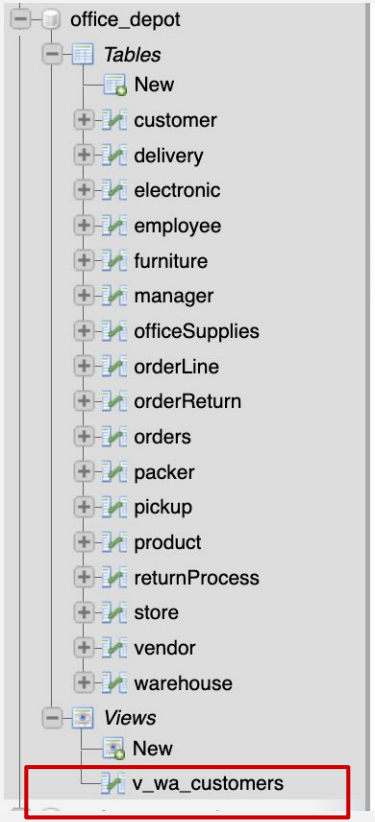
custName
Windsor Brittania
Monty Keefe
Scarlett Lindsay
Hugues Liliane

My SQLs

1. Create a VIEW that shows all customers who placed an order from Washington.

```
CREATE VIEW V_WA_customers AS
(SELECT DISTINCT customer.*
FROM customer, orders
WHERE customer.custID =
orders.custID AND
customer.state = 'WA');
```

```
SELECT * FROM `v_wa_customers`
```



RESULT

custID	custName	street	city	state	zip	cardName	cardNumber	expiration	cvv
6	Scarlett Lindsay	7546 West Cherry Hill Street	Camas	WA	98607	Scarlett Lindsay	5124516274817829	02/23	136
11	Wilda Rosemary	403 Maple St	Wenatchee	WA	98801	Wilda Rosemary	5161924162948819	05/25	301

My SQLs

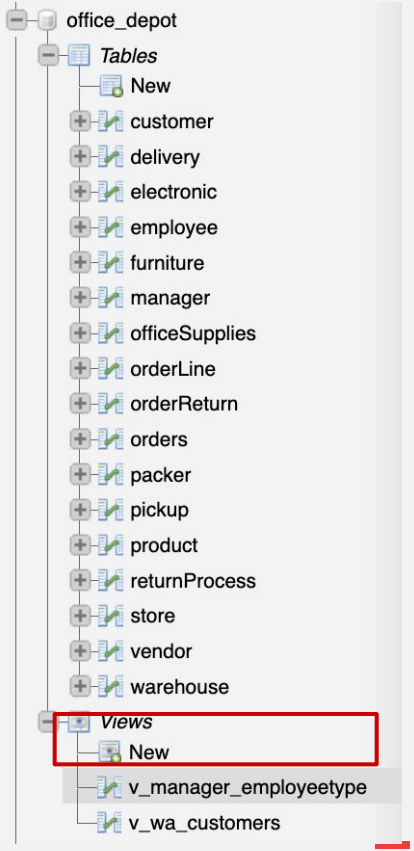
2. Create a VIEW that shows employees who are ‘Manager’.

```
CREATE VIEW
V_manager_employeetype
AS (SELECT * FROM employee WHERE employeeType = "Manager");
```

```
SELECT * FROM `v_manager_employeetype`
```

RESULT

employeeID	name	SSN	employeeType	warehouseID
85000001	Johnna Dyan	291611215	Manager	11001
85000004	Faithe Jacquetta	168292629	Manager	11002
85000006	Geraldine Johanna	434900090	Manager	11003
85000008	Claudia Alycia	386461292	Manager	11004
85000010	Columbine Reilly	963985916	Manager	11005
85000011	Palmer Wilson	268006663	Manager	11006
85000014	Sanjo Trinston	325360056	Manager	11012
85000017	Ako Johnson	791991026	Manager	11010
85000018	Zorio O’Neil	259006132	Manager	11011
85000020	Luna Nova	445316259	Manager	11009
85000022	Sucy Mirage	349491706	Manager	11007



Stored Procedure

1. Create a stored procedure that lists all customer names who ordered sticky notes.

```
DELIMITER //
CREATE PROCEDURE
sp_customer_stickynotes ()
BEGIN
SELECT custName FROM customer,product,orderline,orders
WHERE customer.custID = orders.custID
AND orders.orderID = orderline.orderID
AND orderline.productID=product.productID
AND product.productID = 103;
END//
DELIMITER ;
```

```
CALL sp_customer_stickynotes;
```

RESULT

custName
Windsor Brittania
Monty Keefe
Scarlett Lindsay
Hugues Liliane

Routines

	Name	Action				Type	Returns
☐	sp_customer_stickynotes	Edit	Execute	Export	Drop	PROCEDURE	

Stored Procedure

2. Create a stored procedure that lists packer name and hourlyWage for x packer, where x is a user given parameter. And invoke procedure with x = 'Loir Finder'.

```
1 DELIMITER //
2 CREATE PROCEDURE sp_packerwages (IN packer_x VARCHAR(50))
3 BEGIN
4
5 SELECT employee.name, packer.hourlyWage FROM employee, packer
6 WHERE employee.employeeID = packer.PemployeeID
7 AND employee.name = packer_x ;
8 END //
9 DELIMITER ;
```

```
CALL sp_packerwages('Loir Finder');
```

RESULT

name	hourlyWage
Loir Finder	14.50

Routines

	Name	Action				Type
☐	sp_customer_stickynotes	Edit	Execute	Export	Drop	PROCEDURE
☐	sp_packerwages	Edit	Execute	Export	Drop	PROCEDURE