**--CREATING TABLE ON POSTGRESQL**

CREATE TABLE Product(Product\_id INT Primary KEY,

Product\_Name Varchar (50) Not Null,

Product\_type Varchar (26) Not Null);

Select \* from Product

CREATE TABLE Chipping(Shipping INT Primary KEY,

Shipping fee Float, Shipping\_Company Varchar (50) Not Null);

Select \* From chipping

CREATE TABLE Customer(Customer\_id INT Primary Key,

First\_Name Varchar (50) Not Null, Last\_Name Varchar (50) Not Null,

Email\_Address Varchar (50), Phone\_Number INT Not Null);

Select \* From Customer

CREATE TABLE Agent(Agent\_id INT Primary Key,

Agent\_Name Varchar (50) Not NULL, Email\_address Varchar,

Phone\_number INT);

Select \* From Agent

CREATE TABLE Sales(Sales\_id INT Primary KEY,

Discount\_Code Varchar (50) Not NULL,

Discount\_Price Float Not NULL);

Select \* From Sales

CREATE TABLE Payment(PAyment\_id INT Primary Key,

Amount Float NOT NULL, Payment\_Date Date NOT NULL);

SELECT \* from Payment

**POSTGRESQL CODES**

--4. select \* from payment

**--1.We want to know the customer who paid between amount 1 and 2**

**--I. Using where statement**

**--II. between statement**

SELECT payment\_id, customer\_id, Amount

From Payment

WHERE Amount BETWEEN 1 AND 2

**--5. We want to know the one time least 10 paying customers**

SELECT Payment\_id, Customer\_id,

Min(Amount)

FROM Payment Group by Customer\_id

Order by Min(Amount)

LIMIT 10

**--6. Join inventory and film table**

select \* from inventory

SELECT f.film\_id, title, rental\_rate, inventory\_id, i.film\_id, store\_id

FROM film AS f INNER JOIN inventory AS i

ON f.film\_id = i.film\_id

**--7. We want to know the least 10 total amount paid by returning customers**

SELECT \* From film

SELECT Customer\_id, Sun(Amount)

FROM Payment Group Customer\_id

Order by Sum(Amount)Asc

LIMIT 10

**--8. We want to know the average amount spent by the top 10 paying customers7**

SELECT Customer\_id, Sum(Amount),Avg(Amount)

FROM Payment

Group by customer\_id

ORDER BY Sum(Amount)desc

LIMIT 10

**--9. We want to know customers who paid a total amount between 50 & 55**

select customer\_id, sum(Amount) AS Total\_Amount, Count(Amount)

From Payment

Group by Customer\_id

Having Sum(Amount) Between 50 AND 55

select \* from country

**--10. Your manager wants you to know the country name that starts the**

**-- Al and ends with a. He is not so sure and he has only that information.**

SELECT country\_id, country FROM country

WHERE country like 'Al%a'

--11. We want to get the email of the staff whose first name is mike

SELECT Email, First\_name From Staff

Where First\_name = 'Mike'