Name: __Abhina Premachandran Bindu_____

SQL SELECT, WHERE, DISTINCT practice

1. Write a select statement to return all columns and rows from the customer table.

```
34  SELECT *FROM customer;
35
```

Data Output    Explain    Messages    Notifications

| customer_id [PK] integer | store_id smallint | first_name character varying (45) | last_name character varying (45) | email character varying (50) | address_id smallint |
|---|---|---|---|---|---|
| 1 | 524 | 1 | Jared | Ely | jared.ely@sakilacustomer.org | 5 |
| 2 | 1 | 1 | Mary | Smith | mary.smith@sakilacustomer... | |
| 3 | 2 | 1 | Patricia | Johnson | patricia.johnson@sakilacust... | |
| 4 | 3 | 1 | Linda | Williams | linda.williams@sakilacusto... | |

2. Write a query to select first name, last name, and email from the customer table.

```
35  SELECT first_name,last_name,email from customer;
36
```

Data Output    Explain    Messages    Notifications

| first_name character varying (45) | last_name character varying (45) | email character varying (50) |
|---|---|---|
| 1 | Jared | Ely | jared.ely@sakilacustomer.org |
| 2 | Mary | Smith | mary.smith@sakilacustomer... |
| 3 | Patricia | Johnson | patricia.johnson@sakilacust... |
| 4 | Linda | Williams | linda.williams@sakilacusto... |

3. Write a query to return all rows and columns from the film table.

```
36  SELECT *FROM film;
```

Data Output    Explain    Messages    Notifications

| film_id [PK] integer | title character varying (255) | description text | release_year integer | language_id smallint | rental_duration smallint |
|---|---|---|---|---|---|
| 1 | 133 | Chamber Italian | A Fateful Reflec... | 2006 | 1 | |
| 2 | 384 | Grosse Wonderful | A Epic Drama of... | 2006 | 1 | |
| 3 | 8 | Airport Pollock | A Epic Tale of a ... | 2006 | 1 | |
| 4 | 98 | Bright Encounters | A Fateful Yarn o... | 2006 | 1 | |

4. Write a query to return unique rows from the release_year column in the film table.

```
37   SELECT DISTINCT release_year FROM film;
```

Data Output   Explain   Messages   Notifications

| release_year |
| integer 🔒 |
|---|
| 1 | 2006 |

5. Write a query to return unique rows from the rental_rate column in the film table.

```
38   SELECT DISTINCT rental_rate FROM film;
```

Data Output   Explain   Messages   Notifications

| rental_rate |
| numeric (4,2) 🔒 |
|---|
| 1 | 2.99 |
| 2 | 4.99 |
| 3 | 0.99 |

6. A customer left us some feedback about our store.  Write a query to find her email address – for Nancy Thomas.

```
39   SELECT email from customer where first_name ='Nancy' and last_name ='Thomas';
```

Data Output   Explain   Messages   Notifications

| email |
| character varying (50) 🔒 |
|---|
| 1 | nancy.thomas@sakilacustomer.org |

7. We're trying to find a customer located at a certain address '259 Ipoh Drive' – can you find their phone number?

```
40    SELECT phone FROM address where address = '259 Ipoh Drive';
```

Data Output    Explain    Messages    Notifications

| | phone<br>character varying (20) 🔒 |
| --- | --- |
| 1 | 419009857119 |

8. Write a query from the customer table, where store id is 1 and address id is greater than 150.

```
40    SELECT *from customer where store_id =1 and address_id >150;
```

Data Output    Explain    Messages    Notifications

| | customer_id<br>[PK] integer | store_id<br>smallint | first_name<br>character varying (45) | last_name<br>character varying (45) | email<br>character varying (50) | address_id<br>smallint |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 524 | 1 | Jared | Ely | jared.ely@sakilacustomer.org | 5 |
| 2 | 148 | 1 | Eleanor | Hunt | eleanor.hunt@sakilacustomer.org | 1 |
| 3 | 149 | 1 | Valerie | Black | valerie.black@sakilacustomer.org | 1 |
| 4 | 152 | 1 | Alicia | Mills | alicia.mills@sakilacustomer.org | 1 |

9. Write a query from the payment table where the amount is either 4.99 or 1.99.

```
41    SELECT *from payment where amount =4.99 or amount =1.99;
```

Data Output    Explain    Messages    Notifications

| | payment_id<br>[PK] integer | customer_id<br>smallint | staff_id<br>smallint | rental_id<br>integer | amount<br>numeric (5,2) | payment_date<br>timestamp without time zone |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 17504 | 341 | 1 | 1778 | 1.99 | 2007-02-16 17:23:14.996577 |
| 2 | 17512 | 343 | 2 | 1547 | 4.99 | 2007-02-16 00:10:50.996577 |
| 3 | 17520 | 344 | 2 | 1475 | 4.99 | 2007-02-15 19:36:27.996577 |
| 4 | 17523 | 345 | 1 | 1457 | 4.99 | 2007-02-15 18:34:15.996577 |

10. Write a query to return a list of transitions from the payment table where the amount is greater than 5.

```
42    select *from payment where amount>5;
```

Data Output    Explain    Messages    Notifications

| | payment_id<br>[PK] integer | customer_id<br>smallint | staff_id<br>smallint | rental_id<br>integer | amount<br>numeric (5,2) | payment_date<br>timestamp without time |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 17503 | 341 | 2 | 1520 | 7.99 | 2007-02-15 22:25:46.996 |
| 2 | 17505 | 341 | 1 | 1849 | 7.99 | 2007-02-16 22:41:45.996 |
| 3 | 17507 | 341 | 2 | 3130 | 7.99 | 2007-02-20 17:31:48.996 |
| 4 | 17508 | 341 | 1 | 3382 | 5.99 | 2007-02-21 12:33:49.996 |