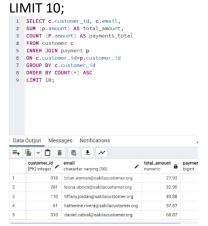FADILAH RAMADHAN
DATA ANALYST

1. SELECT c.customer_id, c.email,
   SUM (p.amount) AS total_amount,
   COUNT (p.amount) AS payments_total
   FROM customer c
   JOIN payment p
   ON c.customer_id=p.customer_id
   GROUP BY c.customer_id
   ORDER BY COUNT(*) DESC
   LIMIT 10;


```
Query   Query History
1  SELECT c.customer_id, c.email,
2  SUM (p.amount) AS total_amount,
3  COUNT (P.amount) AS payments_total
4  FROM customer c
5  INNER JOIN payment p
6  ON c.customer_id=p.customer_id
7  GROUP BY c.customer_id
8  ORDER BY COUNT(*) DESC
9  LIMIT 10;
```

Data Output   Messages   Notifications

customer_id [PK] integer	email character varying (50)	total_amount numeric	payment bigint
148	eleanor.hunt@sakilacustomer.org	211.55	
526	karl.seal@sakilacustomer.org	208.58	
144	clara.shaw@sakilacustomer.org	189.60	
236	marcia.dean@sakilacustomer.org	166.61	
75	tammy.sanders@sakilacustomer.org	149.61	

2. SELECT c.customer_id, c.email,
   SUM (p.amount) AS total_amount,
   COUNT (P.amount) AS payments_total
   FROM customer c
   JOIN payment p
   ON c.customer_id=p.customer_id
   GROUP BY c.customer_id
   ORDER BY COUNT(*) ASC
   LIMIT 10;

```
1  SELECT c.customer_id, c.email,
2  SUM (p.amount) AS total_amount,
3  COUNT (P.amount) AS payments_total
4  FROM customer c
5  INNER JOIN payment p
6  ON c.customer_id=p.customer_id
7  GROUP BY c.customer_id
8  ORDER BY COUNT(*) ASC
9  LIMIT 10;
```

Data Output   Messages   Notifications

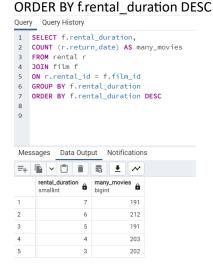| customer_id [PK] integer	email character varying (50)	total_amount numeric	paymen bigint
318	brian.wyman@sakilacustomer.org	27.93	
281	leona.obrien@sakilacustomer.org	32.90	
110	tiffany.jordan@sakilacustomer.org	49.88	
61	katherine.rivera@sakilacustomer.org	57.87	
310	daniel.cabral@sakilacustomer.org	68.87	

3. SELECT c.category_id, c.name,
    MAX (f.rating) AS max_rating
    FROM category c
    JOIN film f
    ON c.category_id = f.film_id
    GROUP BY c.category_id
    ORDER BY max_rating DESC
    LIMIT 1

```
1   SELECT c.category_id, c.name,
2   MAX (f.rating) AS max_rating
3   FROM category c
4   JOIN film f
5   ON  c.category_id = f.film_id
6   GROUP BY c.category_id
7   ORDER BY max_rating DESC
8   LIMIT 1
9
10
11
12
```

Data Output   Messages   Notifications

category_id [PK] integer	name character varying (25)	max_rating mpaa_rating
1	3 Children	NC-17

4. SELECT f.rental_duration,
    COUNT (r.return_date) AS many_movies
    FROM rental r
    JOIN film f
    ON r.rental_id = f.film_id
    GROUP BY f.rental_duration
    ORDER BY f.rental_duration DESC

Query   Query History

```
1   SELECT f.rental_duration,
2   COUNT (r.return_date) AS many_movies
3   FROM rental r
4   JOIN film f
5   ON r.rental_id = f.film_id
6   GROUP BY f.rental_duration
7   ORDER BY f.rental_duration DESC
8
9
```

Messages   Data Output   Notifications

	rental_duration smallint	many_movies bigint
1	7	191
2	6	212
3	5	191
4	4	203
5	3	202

5. SELECT co.country,
    COUNT(cu.customer_id) AS country_base
    FROM customer cu
    JOIN country co
    ON cu.customer_id = co.country_id
    group by co.country

```
1  SELECT co.country,
2  COUNT(cu.customer_id) AS country_base
3  FROM customer cu
4  JOIN country co
5  ON cu.customer_id = co.country_id
6  group by co.country
7
8
```

Data Output Messages Notifications

country character varying (50)	country_base bigint
1	Thailand	1
2	Virgin Islands, U.S.	1
3	Indonesia	1
4	Faroe Islands	1
5	Bangladesh	1
6	Italy	1

6. SELECT country_id, country,
   SUM (p.amount) AS total_amount,
   COUNT (p.amount) AS payment_total
   FROM country c
   JOIN payment p
   ON c.country_id = p.customer_id
   GROUP BY country_id
   ORDER BY COUNT (*) DESC
   LIMIT 1

```
1   SELECT country_id, country,
2   SUM (p.amount) AS total_amount,
3   COUNT (p.amount) AS payment_total
4   FROM country c
5   JOIN payment p
6   ON c.country_id = p.customer_id
7   GROUP BY country_id
8   ORDER BY COUNT (*) DESC
9   LIMIT 1
10
11
12
13
```

Data Output Messages Notifications

country_id [PK] integer	country character varying (50)	total_amount numeric	payment_total bigint
1	75	Philippines	149.61	39

7. SELECT f.rating, c.name AS genre,
   AVG (f.rental_rate) AS average
   FROM film f
   JOIN category c
   ON f.film_id = c.category_id
   GROUP BY f.rating, genre
   ORDER BY average DESC

```
1   SELECT f.rating, c.name AS genre,
2   AVG (f.rental_rate) AS average
3   FROM film f
4   JOIN category c
5   ON  f.film_id = c.category_id
6   GROUP BY f.rating, genre
7   ORDER BY average DESC
8
9
10
11
12
13
14
15
```

Data Output Messages Notifications

rating mpaa_rating	genre character varying (25)	average numeric
1	G	Animation	4.9900000000000000
2	PG	New	4.9900000000000000
3	PG-13	Drama	4.9900000000000000
4	R	Family	4.9900000000000000
5	NC-17	Games	4.9900000000000000
6	PG	Documentary	2.9900000000000000