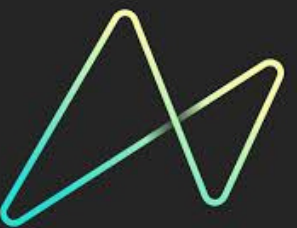# SQL MID-PROJECT

MAVEN-MOVIES

SITUATION

The company's insurance policy is up for renewal and the underwriter needs some updated information from us before they will issue a new policy.

OBJECTIVE

Extract and analyze data from various tables in the Maven movies database and analyze the company's data including transactions, customer, staff, etc.
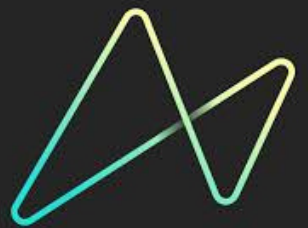
Find list of all staff members, including their first and last names, email addresses, and the store identification number where they work.

```sql
6   SELECT first_name, last_name, email,store_id
7   FROM staff;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

first_name	last_name	email	store_id
Mike	Hillyer	Mike.Hillyer@sakilastaff.com	1
Jon	Stephens	Jon.Stephens@sakilastaff.com	2

```sql
4
5     SELECT store_id,COUNT(inventory_id) AS inventory_items
6     FROM inventory
7     GROUP BY store_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

store_id	inventory_items
1	2270
2	2311

What is the count of active customers for each of your stores.

```
5       SELECT store_id, COUNT(customer_id) AS active_customers
6       FROM customer
7       WHERE active = 1
8       GROUP BY store_id;
9
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

store_id	active_customers
1	318
2	266

Provide a count of all customer email addresses stored in the database.

```
3        */
4
5        SELECT COUNT(email) AS Total_customer_emails
6        FROM customer;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Total_customer_emails
599

```
4

5 •     SELECT store_id, COUNT(DISTINCT film_id) AS Total_unique_films
6       FROM inventory
7       GROUP BY store_id;

8
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ᴵA

store_id	Total_unique_films
1	759
2	762

Find how many count of the unique categories of films you provide.

```sql
5
6    SELECT COUNT(DISTINCT name) AS Total_unique_categories
7    FROM category;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐴

Total_unique_categories
16

Find the replacement cost for the film that is least expensive to replace, the most expensive to replace, and the average of all films you carry.

```sql
7 •    SELECT
8            ROUND(MIN(replacement_cost),1) AS least_expensive,
9            ROUND(MAX(replacement_cost),1) AS most_expensive,
0            ROUND(AVG(replacement_cost),2) AS average_replacement_cost
1      FROM film;
```

sult Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{\mathbb{I}}$A

least_expensive	most_expensive	average_replacement_cost
10.0	30.0	19.98

Provide the average payment you process, as well as the maximum payment you have processed.

```
 2
 3     */
 4
 5 •   SELECT
 6         ROUND(AVG(amount),2) AS average_payment,
 7         ROUND(MAX(amount),1) AS max_payment
 8     FROM payment;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

average_payment	max_payment
4.20	12.0

Find a list of all customer identification values, with a count of rentals they have made all-time, with your highest volume customers at the top of the list.

```sql
7 •    SELECT customer_id,COUNT(rental_id) AS Total_rentals
8      FROM rental
9      GROUP BY customer_id
10     ORDER BY Total_rentals DESC;
11
12
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

customer_id	Total_rentals
148	46
526	45
144	42
236	42
75	41
197	40
469	40
468	39
137	39
178	39
410	38
5	38
295	38

Find the film_id,title,description,release_year from movies that have Trailers in their special_features.

```sql
5     */
6
7  ●  SELECT film_id,title,description,release_year,special_features
8     FROM film
9     WHERE special_features LIKE '%Trailers%'
10    ORDER BY film_id;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: $\mathbb{TA}$ | Fetch rows:

film_id	title	description	release_year	special_features
2	ACE GOLDFINGER	A Astounding Epistle of a Database Administrat...	2006	Trailers,Deleted Scenes
3	ADAPTATION HOLES	A Astounding Reflection of a Lumberjack And a ...	2006	Trailers,Deleted Scenes
7	AIRPLANE SIERRA	A Touching Saga of a Hunter And a Butler who ...	2006	Trailers,Deleted Scenes
8	AIRPORT POLLOCK	A Epic Tale of a Moose And a Girl who must Con...	2006	Trailers
9	ALABAMA DEVIL	A Thoughtful Panorama of a Database Administ...	2006	Trailers,Deleted Scenes
10	ALADDIN CALENDAR	A Action-Packed Tale of a Man And a Lumberjac...	2006	Trailers,Deleted Scenes
14	ALICE FANTASIA	A Emotional Drama of a A Shark And a Databas...	2006	Trailers,Deleted Scenes,Behind the Scenes
15	ALIEN CENTER	A Brilliant Drama of a Cat And a Mad Scientist w...	2006	Trailers,Commentaries,Behind the Scenes
16	ALLEY EVOLUTION	A Fast-Paced Drama of a Robot And a Compose...	2006	Trailers,Commentaries
17	ALONE TRIP	A Fast-Paced Character Study of a Composer A...	2006	Trailers,Behind the Scenes
18	ALTER VICTORY	A Thoughtful Drama of a Composer And a Femi...	2006	Trailers,Behind the Scenes
23	ANACONDA CONFE...	A Lacklustre Display of a Dentist And a Dentist...	2006	Trailers,Deleted Scenes
24	ANALYZE HOOSIERS	A Thoughtful Display of a Explorer And a Pastry...	2006	Trailers,Behind the Scenes

film 5 ×

Output

Action Output