

**Task 1:** Extract the data of customers who are inactive.

MySQL Code:

```
SELECT * FROM sakila.customer  
WHERE active = 0;
```

**Task 2:** Identify the first name, last name, and emails of inactive customers.

MySQL Code:

```
SELECT first_name, last_name, email  
FROM sakila.customer  
WHERE active = 0;
```

*\*\*Picture below shows table*

	first_name	last_name	email
▶	SANDRA	MARTIN	SANDRA.MARTIN@sakilacustomer.org
	JUDITH	COX	JUDITH.COX@sakilacustomer.org
	SHEILA	WELLS	SHEILA.WELLS@sakilacustomer.org
	ERICA	MATTHEWS	ERICA.MATTHEWS@sakilacustomer.org
	HEIDI	LARSON	HEIDI.LARSON@sakilacustomer.org
	PENNY	NEAL	PENNY.NEAL@sakilacustomer.org
	KENNETH	GOODEN	KENNETH.GOODEN@sakilacustomer.org
	HARRY	ARCE	HARRY.ARCE@sakilacustomer.org
	NATHAN	RUNYON	NATHAN.RUNYON@sakilacustomer.org
	THEODORE	CULP	THEODORE.CULP@sakilacustomer.org
	MAURICE	CRAWLEY	MAURICE.CRAWLEY@sakilacustomer.org
	BEN	EASTER	BEN.EASTER@sakilacustomer.org
	CHRISTIAN	JUNG	CHRISTIAN.JUNG@sakilacustomer.org
	JIMMIE	EGGLESTON	JIMMIE.EGGLESTON@sakilacustomer.org
	TERRANCE	ROUSH	TERRANCE.ROUSH@sakilacustomer.org

**Task 3:** Identify the store\_id having the highest number of inactive customers.

MySQL Code:

```
SELECT store_id AS 'Store Number', COUNT(store_id) AS 'Number of Inactive'  
FROM sakila.customer  
WHERE active = 0  
GROUP BY store_id;
```

*\*\*Picture below shows table*

Store Number	Number of Inactive
1	8
2	7

**Task 4:** Identify the names of movies that are rated as PG-13.

MySQL Code:

```
SELECT title
```

```
FROM film
```

```
WHERE rating = 'PG-13';
```

**\*\*223 rows returned**

**Task 5:** Identify the top three movies with PG-13 rating that have the longest running time.

MySQL Code:

```
SELECT title
```

```
FROM film
```

```
WHERE rating = 'PG-13'
```

```
ORDER BY length DESC
```

```
LIMIT 10;
```

**\*\*Picture below shows table.**

title
CHICAGO NORTH
GANGS PRIDE
POND SEATTLE
THEORY MERMAID
CONSPIRACY SPIRIT
FRONTIER CABIN
REDS POCUS
JACKET FRISCO
HOTEL HAPPINESS
IMPACT ALADDIN

**Task 6:** Find the most popular PG-13 movies based on rental duration.

Ordered them by duration in ascending because rental times are less for more popular movies.

```
ORDER BY rental_duration.
```

MySQL Code:

```
SELECT title AS 'Most Popular PG-13'
```

```
FROM film
```

```
WHERE rating = 'PG-13'
```

```
ORDER BY rental_duration ASC;
```

**\*\*Picture below shows table**

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Most Popular PG-13
ALABAMA DEVIL
BACKLASH UNDEFEATED
BILKO ANONYMOUS
CASPER DRAGONFLY
CONFUSED CANDLES
CORE SUIT
DAUGHTER MADIGAN
DESTINATION JERK
ENGLISH BULWORTH
FEATHERS METAL
FLINTSTONES HAPPINESS
FURY MURDER
GUNFIGHTER MUSSOLINI
IDAHO LOVE
IMAGE PRINCESS
INNOCENT USUAL
INTENTIONS EMPIRE
IRON CAVALRY

**Task 7:** Find the average rental cost of the movies.

*MySQL Code:*

```
SELECT AVG(rental_rate)
FROM film;
```

*\*\*Picture below shows table*

AVG(rental_rate)
2.980000

**Task 8:** Find the total replacement cost of all movies.

*MySQL Code:*

```
SELECT SUM(replacement_cost)
FROM film;
```

*\*\*Picture below shows table.*

SUM(replacement_cost)
19984.00

**Task 9:** Identify the number of films from the following categories: Animation and Children

*MySQL Code:*

```
SELECT COUNT(film_id) AS 'Animation'
FROM sakila.film_category
WHERE category_id = 2;
```

Animation
66

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```
SELECT COUNT(film_id) AS 'Children'  
FROM sakila.film_category  
WHERE category_id = 3;
```

Children
60