

SQL Queries and Result

```
-- How many Payment Transactions were greater than $5?  
SELECT COUNT(Amount) FROM payment  
WHERE amount > 5;
```

count
3618

```
-- How many actors have a first name that start with letter 'P'?  
SELECT COUNT(first_name) FROM actor  
WHERE first_name LIKE 'P%';
```

count
5

```
-- List of unique districts of our customers?  
SELECT DISTINCT(district) FROM address;
```

district
Aden
Eastern Visayas
Vaduz
Tokat
Anzotegui
Saint-Denis
Chollanam
Chihuahua
Nyanza
Changhwa
Tokyo-to
Santa F
Denizli
Noord-Brabant
Hubei
Zulia
Paran
Mwanza

..... *

```
-- How many films have a rating R and a replacement cost of between $5
and $15?
SELECT COUNT(*) FROM film
WHERE rating = 'R' AND
replacement_cost BETWEEN 5 AND 15;
```

count
3618

```
-- How many films have truman somewhere in the title?
SELECT COUNT(title) FROM film
WHERE title LIKE '%Truman%';
```

count
5

```
-- How many payments did staff_id 1 and staff_id 2 handle and
-- based on highest payments handled will be the receipt of Bonus?
SELECT staff_id, COUNT(amount) FROM payment
GROUP BY staff_id;
```

staff_id	count
1	7292
2	7304

```
-- What is the average replacement_cost to replace Per MPAA rating?
-- (Determine the relationship between replacement_cost and MPAA rating
movies)
SELECT ROUND(AVG(replacement_cost),2) AS avg_replacement_cost, rating
FROM film
GROUP BY rating;
```

avg_replacement_cost	rating
18.96	PG
20.23	R
20.14	NC-17
20.4	PG-13
20.12	G

-- WE are running a promotion for top five customers,
-- What are the top five customers_ids of our top 5 highest spending customers?

```
SELECT customer_id, SUM(amount) FROM payment  
GROUP BY customer_id  
ORDER BY SUM(amount)  
DESC LIMIT 5;
```

customer_id	sum
148	211.55
526	208.58
178	194.61
137	191.62
144	189.6

-- What are the customer_ids of our customer who have spent more than-
-- \$100 with staff_id 2?

```
SELECT customer_id, SUM(amount) FROM payment  
WHERE staff_id = 2  
GROUP BY customer_id  
HAVING SUM(amount) >= 100;
```

customer_id	sum
187	110.81
522	102.8
526	101.78
211	108.77
148	110.78

```

-- In order to alert the customers regarding change in California sales
tax law,
-- What are the emails of our customers who live in california?
-- Using INNER JOIN
SELECT district, email FROM address
INNER JOIN customer ON
address.address_id = customer.customer_id
WHERE district = 'California';

```

district	email
California	jennifer.davis@sakilacustomer.org
California	carol.garcia@sakilacustomer.org
California	doris.reed@sakilacustomer.org
California	victoria.gibson@sakilacustomer.org
California	holly.fox@sakilacustomer.org
California	vera.mccoy@sakilacustomer.org
California	naomi.jennings@sakilacustomer.org
California	francis.sikes@sakilacustomer.org
California	austin.cintron@sakilacustomer.org

-- A client wants to get the list of all the movies of Nick Wahlberg?

title	first_name	last_name
Adaptation Holes	Nick	Wahlberg
Apache Divine	Nick	Wahlberg
Baby Hall	Nick	Wahlberg
Bull Shawshank	Nick	Wahlberg
Chainsaw Uptown	Nick	Wahlberg
Chisum Behavior	Nick	Wahlberg
Destiny Saturday	Nick	Wahlberg
Dracula Crystal	Nick	Wahlberg
Fight Jawbreaker	Nick	Wahlberg
Flash Wars	Nick	Wahlberg
Gilbert Pelican	Nick	Wahlberg
Goodfellas Salute	Nick	Wahlberg
Happiness United	Nick	Wahlberg
Indian Love	Nick	Wahlberg
Jekyll Frogmen	Nick	Wahlberg
Jersey Sassy	Nick	Wahlberg
Liaisons Sweet	Nick	Wahlberg
Lucky Flying	Nick	Wahlberg
Maguire Apache	Nick	Wahlberg
Mallrats United	Nick	Wahlberg
Mask Peach	Nick	Wahlberg
Roof Champion	Nick	Wahlberg
Rushmore Mermaid	Nick	Wahlberg
Smile Earring	Nick	Wahlberg
Wardrobe Phantom	Nick	Wahlberg

```
-- Two Inner JOIN
SELECT title, first_name,
last_name FROM actor
INNER JOIN film_actor ON
actor.actor_id =
film_actor.actor_id
INNER JOIN film
on film_actor.film_id =
film.film_id
WHERE first_name = 'Nick' AND
last_name = 'Wahlberg';
```

```

-- We want to know and compare various amount of films we have per movie
rate.
-- Using CASE statment
SELECT
SUM(
CASE rating
    WHEN 'R' THEN 1 ELSE 0
    END
) AS r,
SUM(
CASE rating
    WHEN 'PG' THEN 1 ELSE 0
    END
) AS PG,
SUM(
CASE rating
    WHEN 'PG-13' THEN 1 ELSE 0
    END
) AS pg13
FROM film;

```

r	pg	pg_13
195	194	223

ERD Diagram

