**Instructions**

*SELECT DISTINCT(release\_year)*

*FROM sakila.film;*

1. Select all the *actors with the first name ‘Scarlett’.*

*SELECT first\_name, last\_name*

*FROM sakila.actor*

*WHERE first\_name like '%Scarlett%';*

1. How many films (movies) are available for rent and how many films have been rented?

#*how many movies are in general on stock*

*SELECT COUNT(DISTINCT(inventory\_id)) AS 'Total number of films available'*

*FROM sakila.rental*

*ORDER BY inventory\_id;*

*#how many are physically available in the store => not rented out*

*select inventory\_id, rental\_date, return\_date, last\_update*

*from rental*

*where rental\_date is null and return\_date is null;*

1. What are the shortest and longest movie duration? Name the values max\_duration and min\_duration.

*select MAX(length) as 'Max\_Duration', MIN(length) as 'Min\_Duration'*

*from sakila.film;*

1. What's the average movie duration expressed in format (hours, minutes)?

*select floor(AVG(length) / 60) as 'average in hrs', round(avg(length)% 60) as 'minutes'*

*from sakila.film;*

1. How many distinct (different) actors' last names are there?

*select distinct(last\_name)*

*from sakila.actor;*

1. Since how many days has the company been operating (check DATEDIFF() function)?

*select DATEDIFF(MAX(rental\_date), MIN(rental\_date)) as 'active\_days'*

*from sakila.rental;*

1. Show rental info with additional columns month and weekday. Get 20 results.

*select \*, date\_format(rental\_date, '%M') as Month\_, date\_format('rental\_date', '%M') as Year\_*

from sakila.rental;

1. Add an additional column day\_type with values 'weekend' and 'workday' depending on the rental day of the week.

*select \*, case when date\_format(rental\_date, '%W') in ('Saturday'; 'Sunday')*

*then 'weekend'*

*else 'workday' end as day\_type*

*from sakila.rental;*

1. How many rentals were in the last month of activity?

*select date(max(rental\_date))*

*from sakila.rental;*