1. **Select the American directors ordered from oldest to youngest.**

**Ans.** SELECT first\_name,last\_name from directors

where nationality = 'American'

Order by date\_of\_birth;

1. **Return the distinct nationalities from the directors table.**

**Ans**. SELECT distinct nationality

FROM directors;

1. **Return the first names, last names and date of births of the 10 youngest female actors.**

**Ans.** Select first\_name, last\_name, date\_of\_birth,gender FROM actors

Where gender='F'

Order by date\_of\_birth

Limit 10;

1. **Return the top 3 movies with the highest international takings.**

**Ans.** select international\_takings  
from movie\_revenues  
where international\_takings > 0  
order by international\_takings desc  
limit 3;

1. **Concatenate the first and last names of the directors spearated by a space, and call this new column full\_name.**

**Ans**. select CONCAT(first\_name|| ' ' ||last\_name)as full\_name

from directors;

1. **Return the actors with missing first\_names or data\_of\_births.**

**Ans.** select \*

FROM actors

WHERE first\_name is null OR date\_of\_birth is null;

1. **Count the number of actors born after the 1st January 1970**.

**Ans.** SELECT Count(\*)FROM actors

WHERE date\_of\_birth > '1970-01-01';

1. **What was the highest and lowest domestic takings for a movie.**

**Ans.**  SELECT max(domestic\_takings),min(domestic\_takings)

from movie\_revenues;

1. **What is the sum total movie length for movies rated 15.**

**Ans.** SELECT SUM(movie\_length)as total

FROM movies

WHERE age\_certificate = ‘15’;

1. **How many Japanese directors are in the directors table.**

**Ans.** Select count(\*)

from directors

where nationality = 'japanese';

1. **What is the average movie length for chinese movies.**

**Ans.** SELECT avg(movie\_length)

from movies

WHERE movie\_lang = 'chinese';

1. **How many directors are there per nationality?**

**Ans**. SELECT COUNT(\*), nationality FROM directors GROUP BY nationality;

1. **What is the sum total movie\_length for each age certificate and movie language combination?**

**Ans.** SELECT movie\_lang, age\_certificate, SUM(movie\_length)

FROM movies

GROUP BY movie\_lang, age\_certificate

ORDER BY movie\_lang, age\_certificate;

1. **Return the movie languages which have a sum total movie length of over 500 minutes.**

**Ans.** SELECT movie\_lang

FROM movies

GROUP BY movie\_lang

HAVING SUM(movie\_length) > 500;

1. **Select the directors first and last names, the movie names, and release dates for all Chinese, Korean, and Japanese movies.**

**Ans.** select first\_name,last\_name,movie\_name,release\_date from movies

join directors on movies.director\_id = directors.director\_id

where movie\_lang in ('Japanese','Chinese','Korean');

1. **Select the movie names, release dates & international takings of all English language movies.**

**Ans.** SELECT movie\_name, release\_date,international\_takings

FROM movies.movie\_id

NATURAL JOIN movie\_revenues.movie\_id WHERE movie\_lang = 'English';

1. **Select the movie names, domestic takings and international takings for all movies with either missing domestic takings or missing international takings and order the results by movie name.**

**Ans.** SELECT movie\_name, domestic\_takings,international\_takings FROM movies

NATURAL JOIN movie\_revenues

WHERE international\_takings IS NULL ORDER BY movie\_name;

1. **Use left join to select the first and last names of all British directors and the names and age certificates of the movies that they directed.**

Ans. SELECT first\_name, last\_name, movie\_name, age\_certificate

FROM directors.director\_id

LEFT JOIN movies.director\_id WHERE nationality = 'British';

1. **Count the number of movies that each director has directed**.

**Ans.** SELECT first\_name || ' ' || last\_name AS full\_name, COUNT(movie\_id)  
FROM directors  
NATURAL JOIN movies  
GROUP BY director\_id;

1. **Select the first names, last names and dates of birth from directors & actors table. Order the result by the date of birth.**

**Ans.** SELECT first\_name, last\_name, date\_of\_birth

FROM directors

UNION

SELECT first\_name, last\_name, date\_of\_birth

FROM actors;

1. **Select the first and last names of all directprs and actors born in the 1960s. Order the result by last name.**

Ans. select first\_name, last\_name from directors

where date\_of\_birth between '1960-01-01' and '1969-12-31' union select first\_name, last\_name from actors

where date\_of\_birth between '1960-01-01' and '1969-12-31' order by last\_name;