## **WORLD Tasks**

1. Using COUNT, get the number of cities in the USA.
   1. SELECT COUNT(ID) FROM city;
2. Find out the population and life expectancy for people in Argentina.
   1. SELECT Name, LifeExpectancy, Population FROM country WHERE name = "Argentina";
3. Using IS NOT NULL, ORDER BY, and LIMIT, which country has the highest life expectancy?
   1. select name from country where LifeExpectancy is not null order by LifeExpectancy DESC limit 1;
4. Using JOIN ... ON, find the capital city of Spain.
5. Using JOIN ... ON, list all the languages spoken in the Southeast Asia region.
6. Using a single query, list 25 cities around the world that start with the letter F.
   1. select name from city where name LIKE "f%" LIMIT 25;
7. Using COUNT and JOIN ... ON, get the number of cities in China.
8. Using IS NOT NULL, ORDER BY, and LIMIT, which country has the lowest population? Discard non-zero populations.
   1. select name from country where Population > 0 order by Population LIMIT 1;
9. Using aggregate functions, return the number of countries the database contains.
   1. select count(Code) from country;
10. What are the top ten largest countries by area?
    1. select Name from country order by SurfaceArea DESC limit 10;
    2. select Name, SurfaceArea from country order by SurfaceArea DESC limit 10;
11. List the five largest cities by population in Japan.
    1. select Name, Population, CountryCode from city Where CountryCode="JPN" order by Population DESC limit 5;
12. List the names and country codes of every country with Elizabeth II as its Head of State. You will need to fix the mistake first!
    1. select Name, Code from country where HeadOfState="Elisabeth II";
13. List the top ten countries with the smallest population-to-area ratio. Discard any countries with a ratio of 0.
    1. select Name, Population/SurfaceArea as PopulationAreaRatio from country where Population/SurfaceArea > 0 order by PopulationAreaRatio ASC limit 10;
14. List every unique world language.
    1. select distinct language from countrylanguage;
15. List the names and GNP of the world's top 10 richest countries.
    1. select name, gnp from country order by gnp desc limit 10;
16. List the names of, and number of languages spoken by, the top ten most multilingual countries.
17. List every country where over 50% of its population can speak German.
18. Which country has the worst life expectancy? Discard zero or null values.
    1. Select name, LifeExpectancy from country Where LifeExpectancy > 0 order by LifeExpectancy limit 1;
19. List the top three most common government forms.
20. How many countries have gained independence since records began?

**SAKILA TASKS**

01) SELECT \* FROM actor; ,

, 02) SELECT last\_name FROM actor where first\_name = "John";

, 03) SELECT \* FROM actor WHERE last\_name = "Neeson";

, 04) SELECT \* FROM actor where actor\_id%10 = 0;

, 05) SELECT description FROM film WHERE film\_id=100;

, 06) SELECT title FROM film WHERE rating = "R";

, 07) SELECT title FROM film WHERE rating != "R";

, 08) SELECT title, length FROM film ORDER BY length LIMIT 10;

, 09) SELECT title, length FROM film WHERE length IN(SELECT MAX(length) FROM film);

, 10) SELECT title, special\_features FROM film WHERE special\_features = "Deleted Scenes";

, 11) SELECT last\_name, COUNT(last\_name) FROM actor GROUP BY last\_name HAVING COUNT(last\_name)<2 ORDER BY last\_name DESC;

, 12) SELECT last\_name, COUNT(last\_name) as freq FROM actor GROUP BY last\_name HAVING COUNT(last\_name)>1 ORDER BY freq DESC;

, 13) SELECT t1.actor\_id, t2.first\_name, t2.last\_name, COUNT(t1.film\_id) as film\_count

, FROM film\_actor t1

, JOIN actor\_info t2

, ON t1.actor\_id=t2.actor\_id

, GROUP BY actor\_id

, ORDER BY film\_count DESC LIMIT 1;

, 14) SELECT release\_year FROM film WHERE title="Academy Dinosaur";

, 15) SELECT AVG(length) FROM film;

, 16) SELECT fc.category\_id, c.name, AVG(f.length)

, FROM film\_category fc

, JOIN film f

, ON fc.film\_id = f.film\_id

, JOIN category c

, ON c.category\_id=fc.category\_id

, GROUP BY fc.category\_id;

, 17) SELECT title FROM film WHERE description LIKE "%robot%";

, 18) SELECT count(release\_year) FROM film WHERE release\_year = 2010;

, 19) SELECT f.title, c.name

, FROM film\_category fc

, JOIN film f

, ON fc.film\_id = f.film\_id

, JOIN category c

, ON c.category\_id=fc.category\_id

, WHERE c.name = "Horror";

, 20) SELECT CONCAT(first\_name," ",last\_name) as fullname FROM staff WHERE staff\_id = 2;

, 21) SELECT CONCAT(a.first\_name, " ", a.last\_name) as fullname, COUNT(fa.film\_id) as filmcount

, FROM film\_actor fa

, JOIN actor a

, ON fa.actor\_id=a.actor\_id

, WHERE a.first\_name = "Fred" AND a.last\_name = "Costner"

, GROUP BY fullname;

, 22) SELECT DISTINCT COUNT(country) FROM country;

, 23) SELECT name FROM language ORDER BY name ASC;

, 24) SELECT CONCAT(first\_name, " ", last\_name) AS fullname

, FROM actor

, WHERE last\_name LIKE "%son"

, ORDER BY first\_name DESC;

, 25) SELECT c.name, COUNT(c.name) as number\_of\_films

, FROM film\_category fc

, JOIN film f

, ON fc.film\_id = f.film\_id

, JOIN category c

, ON c.category\_id=fc.category\_id

, GROUP BY fc.category\_id

, ORDER BY number\_of\_films DESC

, LIMIT 1;