**ALTER TABLE**

1.- d) ALTER TABLE job\_history

ADD INDEX indx\_job\_id(job\_id);

2.- a) ALTER TABLE job\_history

DROP INDEX indx\_job\_id;

3.- ALTER TABLE locations ADD region\_id INT;

4.- ALTER TABLE locations DROP city;

5.- ALTER TABLE locations MODIFY country\_id INT;

6.- ALTER TABLE locations CHANGE state\_province state varchar(25);

7.- ALTER TABLE locations DROP PRIMARY KEY, ADD PRIMARY KEY(location\_id,country\_id);

8.- ALTER TABLE locations DROP PRIMARY KEY;

9.- ALTER TABLE job\_history ADD FOREIGN KEY(job\_id) REFERENCES jobs(job\_id);

10.- ALTER TABLE job\_history DROP FOREIGN KEY fk\_job\_id;

**INSERT**

1.- INSERT INTO countries (country\_id,country\_name) VALUES (1,'España'), (2, 'Alemania'), (3, 'Francia');

2.- CREATE TEMPORARY TABLE country\_new AS (SELECT \* FROM countries);

3.- INSERT INTO countries VALUES(4, 'Suecia', 11827), (5, 'Grecia', 11830), (6, 'Nueva Zelanda', 11826);

4.- INSERT INTO country\_new SELECT \* FROM countries;

**UPDATE**

1.- UPDATE employees SET email = 'not available', commission\_pct = 0.10 WHERE department\_id = 110;

2.- UPDATE employees SET email = 'not available' WHERE department\_id = (SELECT department\_id FROM departments WHERE department\_name = 'Accounting');

3.- UPDATE employees SET JOB\_ID = 'SH\_CLERK' WHERE employee\_id = 118 AND department\_id = 30 AND JOB\_ID NOT LIKE 'SH%';

4.- UPDATE employees SET email = 'not available' WHERE department\_id = 80 AND commission\_pct < 0.2;

**SELECT**

1.- SELECT first\_name AS "Nombre", last\_name AS "Apellido" FROM employees;

2.- SELECT DISTINCT department\_id AS "ID DEPARTAMENTO" FROM employees;

3.- SELECT \* FROM employees ORDER BY first\_name DESC;

4.- SELECT CONCAT(first\_name, last\_name) AS "Nombre completo" FROM employees;

5.- SELECT job\_id AS "ID trabajo", MAX(salary) AS "Salario máximo" FROM employees GROUP BY job\_id HAVING MAX(salary) >= 4000;

6.- SELECT CONCAT(first\_name, last\_name) AS "Nombre", salary AS "Salario" FROM employees WHERE salary NOT BETWEEN 10000 AND 15000;

7.- CREATE VIEW vistatest AS SELECT CONCAT(first\_name, last\_name ) AS "Nombre", department\_id AS "ID departamento" FROM employees WHERE department\_id IN (30, 100) ORDER BY department\_id ASC; SELECT \* FROM vistatest; UPDATE vistatest SET department\_id = 31 WHERE department\_id = 30;

Una vez cambiados los department\_id de 30 a 31, la vista tiene 6 filas.

8.- CREATE VIEW vistatest2 AS SELECT CONCAT(first\_name, last\_name ) AS "Nombre", salary AS "Salario" FROM employees WHERE salary NOT IN (10000, 15000) AND department\_id = 31 OR department\_id = 100;

9.- SELECT job\_id AS "Tipo trabajo", count(job\_id) AS "Número empleados" FROM employees GROUP BY job\_id ORDER BY count(job\_id) DESC;

10.- SELECT MAX(salary) AS "Máximo", MIN(salary) AS "Mínimo", SUM(salary) AS "Suma", ROUND(AVG(salary), 0) AS "Promedio" FROM employees GROUP BY employee\_id;

11.- SELECT manager\_id AS "ID Manager", MIN(salary) AS "Salario minimo" FROM employees WHERE manager\_id IS NOT NULL GROUP BY manager\_id ORDER BY MIN(salary) DESC;

12.- SELECT job\_id AS "ID trabajo", AVG(salary) AS "Promedio" FROM employees WHERE job\_id NOT LIKE 'IT\_PROG' GROUP BY job\_id;

13.- SELECT job\_id AS "ID trabajo", SUM(salary) AS "Total", MAX(salary) AS "Máximo", MIN(salary) AS "Mínimo", AVG(salary) AS "Promedio" FROM employees WHERE department\_id = '90' GROUP BY job\_id;

14.- SELECT last\_name AS "Apellido" FROM employees WHERE CHAR\_LENGTH(last\_name) = 6;

15.- SELECT LEFT(first\_name, 3) AS "Primeros 3 chars" FROM employees;