-- Assignment Questions

--Q1: Retrieve all employees’ first\_name and their departments.

SELECT FIRST\_NAME,

DEPARTMENT

FROM EMPLOYEES;

--Q2: Update the salary of all employees in the 'IT' department by increasing it by 10%.

UPDATE employees

SET salary=salary + (salary\*0.1 )

WHERE department ='IT';

SELECT \* FROM employees;

--Q3: Delete all employees who are older than 34 years.

DELETE FROM employees

WHERE age>34;

--Q4: Add a new column `email` to the `employees` table.

ALTER TABLE employees

ADD COLUMN email VARCHAR(100);

--Q5: Rename the `department` column to `dept\_name`.

ALTER TABLE employees

RENAME COLUMN department TO dept\_name;

SELECT \* FROM employees;

--Q6: Retrieve the names of employees who joined after January 1, 2021.

SELECT first\_name, last\_name, joining\_date FROM employees

WHERE joining\_date > '2021-01-01';

--Q7: Change the data type of the `salary` column to `INTEGER`.

ALTER TABLE employees

ALTER COLUMN salary TYPE INTEGER USING salary::INTEGER;

--Q8: List all employees with their age and salary in descending order of salary.

SELECT first\_name, age, salary FROM employees

ORDER BY salary DESC;

--Q9: Insert a new employee with the following details:

-- ('Raj', 'Singh', 'Marketing', 60000, '2023-09-15', 30)

INSERT INTO employees(first\_name, last\_name, dept\_name, salary, joining\_date, age)

VALUES('Raj', 'Singh', 'Marketing', 60000, '2023-09-15', 30);

--Q10: Update age of employee +1 to every employee

UPDATE employees

SET age=age+1;