**Create a employee table and department table**

CREATE TABLE Employee (

employee\_id INT NOT NULL AUTO\_INCREMENT,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

phone VARCHAR(20),

hire\_date DATE NOT NULL,

job\_title VARCHAR(50) NOT NULL,

department\_id INT NOT NULL,

salary DECIMAL(10,2) NOT NULL,

PRIMARY KEY (employee\_id),

FOREIGN KEY (department\_id) REFERENCES Department(department\_id)

);

CREATE TABLE Department (

department\_id INT NOT NULL AUTO\_INCREMENT,

department\_name VARCHAR(50) NOT NULL,

manager\_id INT,

location VARCHAR(100),

PRIMARY KEY (department\_id)

);

Write a query to fetch the first\_name from the Employee table in the upper case and use the ALIAS name as EmpName.

Write a query to fetch the number of employees working in the department ‘HR’.

Write a query to get the current date.

Write a query to retrieve the first four characters of EmpLname from the EmployeeInfo table.

Write a query to fetch only the place name(string before brackets) from the Address column of EmployeeInfo table.

Write a query to create a new table that consists of data and structure copied from the other table.

Write q query to find all the employees whose salary is between 50000 to 100000.

Write a query to find the names of employees that begin with ‘S’

Write a query to fetch top N records.

Write a query to retrieve the EmpFname and EmpLname in a single column as “FullName”. The first name and the last name must be separated with space.

# Inserting values into table department

INSERT INTO department

VALUES

(7000, 'DevOps', 7020, '7567 Wille Grove Manhattan(CA 1020)'),

(7001, 'HR', 7021, '7167 Mart Grove Queens(CA 1020)'),

(7002, 'Administration', 7022, '7547 Queen Grove Staten(CA 1020)'),

(7003, 'Service Desk', 7023, '7867 Wille One Hudson(CA 1020)'),

(7004, 'Project Management', 7024, '2345 Wille This Boston(CA 1020)')

;

# inserting into employee table

INSERT INTO employee(employee\_id, first\_name, last\_name, email, phone, hire\_date, job\_title, department\_id, salary)

VALUES

(1000, 'Jack', 'Ryan', 'jackryan@cia.com', '(323)827-7334', '2004-12-02', 'Data Analyst', 7000, 60000),

(1001, 'Susan', 'James', 'jamessusan@cia.com', '(323)547-6734', '2005-12-12', 'Sr Hiring Manager', 7001, 65000),

(1002, 'Abby', 'Arcane', 'drarcane@cia.com', '(323)876-4234', '2006-12-23', 'Sr Business Analyst', 7001, 10000),

(1003, 'Greer', 'James', 'jamesgreer@cia.com', '(323)257-7834', '2007-12-22', 'Linux Administrator', 7002, 20000),

(1004, 'Mia', 'Evelyn', 'evelynmia@cia.com', '(323)854-7223', '2006-12-22', 'Hardware Specialist', 7003, 160000),

(1005, 'Sophia', 'Martin', 'martinsophia@cia.com', '(323)657-4234', '2002-12-22', 'Service Desk Assistant', 7003, 260000),

(1006, 'Camila', 'Luna', 'lcamila@cia.com', '(323)987-7654', '2001-12-22', 'Software Specialist', 7003, 40000),

(1007, 'Allie', 'Sophia', 'sallie@cia.com', '(323)456-7236', '2008-12-22', 'Agile PM', 7004, 20000),

(1008, 'Scarlet', 'Ryan', 'rscarlet@cia.com', '(323)357-2234', '2002-12-22', 'React Developer', 7004, 80000),

(1009, 'Nora', 'Lilly', 'lillynora@cia.com', '(323)854-7254', '2001-12-22', 'Oracle Developer', 7004, 10000)

;

SELECT \* FROM employee;

SELECT \* FROM department;

# Write a query to fetch the first\_name from the Employee table in the upper case and use the ALIAS name as EmpName.

SELECT UPPER(first\_name) AS EmpName FROM employee;

# Write a query to fetch the number of employees working in the department ‘HR’.

SELECT COUNT(department\_name) FROM employee

JOIN department d ON d.department\_id = employee.department\_id

WHERE d.department\_name = 'HR';

# Write a query to get the current date.

SELECT CURRENT\_DATE;

# Write a query to retrieve the first four characters of EmpLname from the EmployeeInfo table.

SELECT LEFT(last\_name, 4) FROM employee;

SELECT SUBSTRING(last\_name, 1, 4) FROM employee;

# Write a query to fetch only the place name(string before brackets) from the Address column of EmployeeInfo table.

# SELECT SUBSTRING(location, 1, LOCATE('(', location)-2), location FROM department;

SELECT SUBSTRING\_INDEX(location, '(', 1) AS Location FROM department;

# Write a query to create a new table that consists of data and structure copied from the other table.

CREATE TABLE new\_table\_employee LIKE employee;

INSERT INTO new\_table\_employee SELECT \* FROM employee;

SELECT \* FROM new\_table\_employee;

# Write q query to find all the employees whose salary is between 50000 to 100000.

SELECT \* FROM employee

WHERE salary BETWEEN 50000 AND 100000;

# Write a query to find the names of employees that begin with ‘S’

SELECT first\_name, last\_name FROM employee WHERE first\_name LIKE 'S%';

# Write a query to fetch top N records.

SELECT \* FROM employee ORDER BY salary DESC;

# Write a query to retrieve the EmpFname and EmpLname in a single column as “FullName”. The first name and the last name must be separated with space.

SELECT CONCAT\_WS(' ', first\_name, last\_name) AS FullName FROM employee ;