WEEK 2 - ASSIGNMENT

Step By Step Procedure For Creating A Table In My SQL Desktop And Inserting Values Then Updating The Table And Then Deleting Values And Then Deleting Table

Create the "Students" table with additional columns:

CREATE TABLE Students (

id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

gender ENUM('Male', 'Female', 'Other'),

date\_of\_birth DATE,

email VARCHAR(100)

);

Insert values into the "Students" table:

INSERT INTO Students (first\_name, last\_name, gender, date\_of\_birth, email)

VALUES ('Hritik', 'Sharma', 'Male', '2000-05-15', 'hritik.sharma@example.com'),

('Bhavuk', 'Singh', 'Male', '2001-08-22', 'bhavuk.singh@example.com'),

('Daksh', 'Verma', 'Male', '1999-12-10', 'daksh.verma@example.com');

Update a student's email:

UPDATE Students

SET email = 'ankur.gupta@example.com'

WHERE id = 1;

Delete a student from the table:

DELETE FROM Students

WHERE id = 2;

Delete the "Students" table:

DROP TABLE Students;

Q2

Create 2 tables employess and department and perform join on them in MYSQL

Create the "Employees" table:

CREATE TABLE Employees (

emp\_id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

department\_id INT,

salary DECIMAL(10, 2),

hire\_date DATE

);

Insert values into the "Employees" table:

INSERT INTO Employees (first\_name, last\_name, department\_id, salary, hire\_date)

VALUES ('Hannah', 'Johnson', 1, 50000.00, '2020-01-01'),

('Daniel', 'Smith', 2, 60000.00, '2019-05-15'),

('Sophia', 'Anderson', 1, 55000.00, '2021-02-10');

Create the "Departments" table:

CREATE TABLE Departments (

department\_id INT AUTO\_INCREMENT PRIMARY KEY,

department\_name VARCHAR(50)

);

Insert values into the "Departments" table:

INSERT INTO Departments (department\_name)

VALUES ('Sales'),

('Marketing'),

('Finance');

Perform a join operation on the "Employees" and "Departments" tables:

SELECT Employees.emp\_id, Employees.first\_name, Employees.last\_name, Departments.department\_name

FROM Employees

JOIN Departments ON Employees.department\_id = Departments.department\_id;

| emp\_id | first\_name | last\_name | department\_name |

| 1 | Hannah | Johnson | Sales |

| 2 | Daniel | Smith | Marketing |

| 3 | Sophia | Anderson | Sales |

Q3

Step By Step Procedure For Creating A Table In Mongo Db Desktop And Inserting Values When Updating The Table And Then Deleting Values And Then Deleting Table

1. Open MongoDB Compass and connect to your MongoDB server.
2. Once connected, select the database where you want to create the collection. To create a new database, click the "Create Database" button and provide a name for the new database.
3. After selecting or creating the database, click the "Collections" tab in the sidebar to view the collections in the database.
4. To create a new collection, click the "Create Collection" button. Provide a name for the collection and any desired options.
5. With the collection created, switch to the "Documents" tab within the collection view.
6. Click the "Insert Document" button to insert documents (values) into the collection. Enter the following JSON document examples:

{

"name": "Hritik",

"age": 25,

"email": "hritik@example.com"

}

{

"name": "Daksh",

"age": 28,

"email": "daksh@example.com"

}

{

"name": "Ankur",

"age": 30,

"email": "ankur@example.com"

}

1. Click the "Insert" button to insert the documents into the collection.
2. To update a document in the collection, select the document you want to update and click the "Edit Document" button. Modify the desired fields and click "Save" to apply the changes.
3. To delete a document from the collection, select the document and click the "Delete Document" button.
4. To drop (delete) the collection, right-click on the collection name in the sidebar and choose "Drop Collection." Confirm the action when prompted.