**MODERN APPLICATION DEVELOPMENT**

**ASSIGNMENT**

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Assignment

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create ,update,delete commands in mysql

create tables and perform joins in mysql

create ,update,delete commands in mongo

CREATE :

CREATE TABLE employees (

id INT PRIMARY KEY,

name VARCHAR(100),

age INT,

salary DECIMAL(10,2)

);

UPDATE:

UPDATE employees

SET salary = 6000

WHERE id = 2;

+----+--------+-----+--------+

| id | name | age | salary |

+----+--------+-----+--------+

| 1 | John | 28 | 4000 |

| 2 | Alice | 35 | 6000 |

| 3 | Robert | 32 | 4500 |

+----+--------+-----+--------+

DELETE :

DELETE FROM employees

WHERE id = 1;

BEFORE :  
+----+------+-----+--------+

| id | name | age | salary |

+----+------+-----+--------+

| 1 | John | 30 | 5000 |

| 2 | Mary | 35 | 6000 |

| 3 | Alex | 28 | 4500 |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

AFTER EXECUTING :

+----+------+-----+--------+

| id | name | age | salary |

+----+------+-----+--------+

| 2 | Mary | 35 | 6000 |

| 3 | Alex | 28 | 4500 |

+----+------+-----+--------+

2)

Creating tables :

CREATE TABLE employees (

id INT PRIMARY KEY,

name VARCHAR(100),

department\_id INT

);

CREATE TABLE departments (

department\_id INT PRIMARY KEY,

department\_name VARCHAR(100)

);

Inserting values :

INSERT INTO employees (id, name, department\_id)

VALUES (1, 'John', 1),

(2, 'Mary', 2),

(3, 'Alex', 1);

INSERT INTO departments (department\_id, department\_name)

VALUES (1, 'Sales'),

(2, 'Marketing');

Performing JOIN operations :

SELECT employees.id, employees.name, departments.department\_name

FROM employees

JOIN departments ON employees.department\_id = departments.department\_id;

OUTPUT :

+----+------+------------------+

| id | name | department\_name |

+----+------+------------------+

| 1 | John | Sales |

| 2 | Mary | Marketing |

| 3 | Alex | Sales |

+----+------+------------------+

3) MongoDB :

INSERT :

db.collection.insertOne({

name: "John",

age: 30,

salary: 5000

});

UPDATE :

db.collection.updateOne(

{ name: "John" },

{ $set: { salary: 5500 } }

);

DELETE :

db.collection.deleteOne({ name: "John" });