

Technology track: Modern Application Development

College campus: VIT-AP

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## Assignment 2

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Question 1: Create, update, delete commands in mysql

Code:

```
CREATE TABLE employees (  
    id INT PRIMARY KEY,  
    name VARCHAR(100),  
    age INT,  
    salary DECIMAL(10,2)  
);
```

```
INSERT INTO employees (id, name, age, salary)  
VALUES (1, 'John Doe', 30, 50000.00);
```

```
UPDATE employees  
SET salary = 55000.00  
WHERE id = 1;
```

```
DELETE FROM employees  
WHERE id = 1;
```

## Question 2: Create tables and perform joins in mysql

Code:

```
CREATE TABLE employees (  
    id INT PRIMARY KEY,  
    name VARCHAR(100),  
    department_id INT  
);
```

```
CREATE TABLE departments (  
    id INT PRIMARY KEY,  
    name VARCHAR(100)  
);
```

```
INSERT INTO employees (id, name, department_id)  
VALUES (1, 'John Doe', 1);
```

```
INSERT INTO employees (id, name, department_id)  
VALUES (2, 'Jane Smith', 2);
```

```
INSERT INTO departments (id, name)  
VALUES (1, 'Sales');
```

```
INSERT INTO departments (id, name)  
VALUES (2, 'Marketing');
```

```
SELECT employees.name, departments.name
FROM employees
JOIN departments ON employees.department_id =
departments.id;
```

Question 3: Create, update, delete in MongoDB

Code:

```
db.users.insertOne({
  name: 'John Doe',
  age: 30,
  salary: 50000.00
});
```

```
db.users.updateOne(
  { name: 'John Doe' },
  { $set: { salary: 55000.00 } }
);
```

```
db.users.deleteOne({ name: 'John Doe' });
```