

ASSIGNMENT - 2

Java Spring Boot

Name: Raja N

Reg.no: 20MIS0419

Campus: VIT-Vellore

1.Create table, insert, update, delete and alter commands in MySQL.

Create Table:

```
CREATE TABLE `raja`.`employee` (  
  `EID` INT NOT NULL,  
  `EName` VARCHAR(45) NOT NULL,  
  `Age` INT NOT NULL,  
  `Salary` VARCHAR(45) NOT NULL,  
  `Gender` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`EID`),  
  UNIQUE INDEX `EID_UNIQUE` (`EID` ASC) VISIBLE);
```

Insert Values:

```
insert into raja.employee values(1,'raja',19,'75k','male');  
insert into raja.employee values(2,'mohan',25,'55k','male');  
insert into raja.employee values(3,'aadhi',30,'45k','male');  
insert into raja.employee values(4,'mohana',29,'65k','female');  
insert into raja.employee values(5,'priya',34,'70k','female');
```

Update:

```
update raja.employee set Age=21 where EID=1;
```

Delete:

```
delete from raja.employee where EID=5;
```

Alter:

```
alter table raja.employee add column Dept varchar(45);
```

2.Create table and perform joins in MySQL.

Create Table:

```
CREATE TABLE `raja`.`manager` (
```

```
`MID` INT NOT NULL,  
`MName` VARCHAR(45) NOT NULL,  
`Salary` VARCHAR(45) NOT NULL,  
`Location` VARCHAR(45) NOT NULL,  
PRIMARY KEY (`MID`),  
UNIQUE INDEX `MID_UNIQUE` (`MID` ASC) VISIBLE);
```

Inner Join:

```
SELECT * FROM raja.employee INNER JOIN raja.manager ON  
raja.employee.EID=raja.manager.MID;
```

Left Join:

```
SELECT * FROM raja.employee LEFT JOIN raja.manager ON  
raja.employee.EID=raja.manager.MID;
```

Right Join:

```
SELECT * FROM raja.employee RIGHT JOIN raja.manager ON  
raja.employee.EID=raja.manager.MID;
```

Full Join:

```
SELECT * FROM raja.employee FULL JOIN raja.manager;
```

3.Create table and insert, update, delete commands in Mongo.

Create Database:

```
Db.create.Collections('Faculty');
```

Insert Values:

```
db.faculty.insertOne({'FID':1071,'FName':'aadhavan','Dept':'CSE','Age':31})
```

```
db.faculty.insertOne({'FID':1072,'FName':'mohan','Dept':'ECE','Age':45})
```

Update Values:

```
db.faculty.updateOne( {FID:1072}, {$set: {Dept:"IT"}})
```

Delete values:

```
db.faculty.deleteOne( {FID:1072})
```

Count of Documents:

```
db.faculty.countDocuments()
```