WEEKLY ASSIGNMNET 2

NAME: BARANIDHARAN S

REG.NO.: 20BCE0044

COURSE: MODERN APPLICATION DEVELOPMENT JAVA SPRING BOOT

1. CREATE, UPDATE, DELETE COMMANDS IN MYSQL

CREATE CCOMMAND

```
CREATE TABLE EMPLOYEE (
  empId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  dept TEXT NOT NULL
);
```

INSERT COMMAND

```
INSERT INTO EMPLOYEE VALUES (0001, 'Clark', 'Sales');
INSERT INTO EMPLOYEE VALUES (0002, 'Dave', 'Accounting');
INSERT INTO EMPLOYEE VALUES (0003, 'Ava', 'Sales');
```

AFTER INSERTING THREE VALUES, FETCHING THE TABLE DATA

UPDATE COMMAND

```
update EMPLOYEE set name='Jeeva',dept='HR' where empId=0003;
```

AFTER UPDATING , FETCHING THE UPDATED DATA ENTRY FROM THE TABLE

DELETE COMMAND

2. CREATE TABLES AND PERFORM JOIN OPERATIONS IN MYSQL

CREATING TWO TABLES NAMELY EMPLOYEE AND CUSTOMER AND INSERTING DATA

COMMANDS FOR CREATING THE ABOVE TWO TABLES

CREATE TABLE EMPLOYEE (

```
  empId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  dept TEXT NOT NULL
);

CREATE TABLE CUSTOMER (
  cusId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  address TEXT NOT NULL
);
```

PERFORMING JOIN OPERATIONS ON THE ABOVE TWO TABLES

INNER JOIN


```
-- create
CREATE TABLE EMPLOYEE (
  empId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  dept TEXT NOT NULL,
  place TEXT NOT NULL
);
CREATE TABLE CUSTOMER (
  cusId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  address TEXT NOT NULL
);
-- insert
INSERT INTO EMPLOYEE VALUES (0001, 'Clark', 'Sales','Chennai');
INSERT INTO EMPLOYEE VALUES (0002, 'Dave', 'Accounting','Salem');
INSERT INTO EMPLOYEE VALUES (0003, 'Ava', 'Sales','Chennai');
INSERT INTO CUSTOMER VALUES (0001, 'John', 'Salem');
INSERT INTO CUSTOMER VALUES (0002, 'Ramesh', 'Chennai');
INSERT INTO CUSTOMER VALUES (0003, 'Kaviya', 'Vellore');

SELECT EMPLOYEE.empId,EMPLOYEE.name,CUSTOMER.cusId,CUSTOMER.name,EMPLOYEE.place FROM
EMPLOYEE INNER JOIN CUSTOMER ON EMPLOYEE.place=CUSTOMER.address;
```

LEFT JOIN


```
CREATE TABLE EMPLOYEE (
  empId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  dept TEXT NOT NULL,
  place TEXT NOT NULL
);

CREATE TABLE CUSTOMER (
  cusId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  address TEXT NOT NULL
);

-- insert
INSERT INTO EMPLOYEE VALUES (0001, 'Clark', 'Sales','Chennai');
INSERT INTO EMPLOYEE VALUES (0002, 'Dave', 'Accounting','Salem');
INSERT INTO EMPLOYEE VALUES (0003, 'Ava', 'Sales','Chennai');

INSERT INTO CUSTOMER VALUES (0001, 'John', 'Salem');
INSERT INTO CUSTOMER VALUES (0002, 'Ramesh', 'Chennai');
INSERT INTO CUSTOMER VALUES (0003, 'Kaviya', 'Vellore');


SELECT EMPLOYEE.empId,EMPLOYEE.name,CUSTOMER.cusId,CUSTOMER.name,EMPLOYEE.place FROM
EMPLOYEE LEFT JOIN CUSTOMER ON EMPLOYEE.place=CUSTOMER.address;
```

RIGHT JOIN

queries.sql — 3z9wgpfee — NEW — MYSQL — RUN

```
CREATE TABLE EMPLOYEE (
  empId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  dept TEXT NOT NULL,
  place TEXT NOT NULL
);

CREATE TABLE CUSTOMER (
  cusId INTEGER PRIMARY KEY,
  name TEXT NOT NULL,
  address TEXT NOT NULL
);

-- insert
INSERT INTO EMPLOYEE VALUES (0001, 'Clark', 'Sales','Chennai');
INSERT INTO EMPLOYEE VALUES (0002, 'Dave', 'Accounting','Salem');
INSERT INTO EMPLOYEE VALUES (0003, 'Ava', 'Sales','Chennai');

INSERT INTO CUSTOMER VALUES (0001, 'John', 'Salem');
INSERT INTO CUSTOMER VALUES (0002, 'Ramesh', 'Chennai');
INSERT INTO CUSTOMER VALUES (0003, 'Kaviya', 'Vellore');


SELECT EMPLOYEE.empId,EMPLOYEE.name,CUSTOMER.cusId,CUSTOMER.name,EMPLOYEE.place FROM
EMPLOYEE RIGHT JOIN CUSTOMER ON EMPLOYEE.place=CUSTOMER.address;
```

STDIN

Input for the program (Optional)

Output:

empId	name	cusId	name	place
2	Dave	1	John	Salem
3	Ava	2	Ramesh	Chennai
1	Clark	2	Ramesh	Chennai
NULL	NULL	3	Kaviya	NULL

3. CREATE, UPDATE, DELETE COMMANDS IN MONGODB

CREATE COMMAND

script.js — 3z9wh5d2p — NEW — MONGODB — RUN

```
db.employee.insertOne({
  name: "Hari",
  empid: 002,
  age: 22,
  place: "chennai"
});

db.employee.insertOne({
  name: "Jasmine",
  empid: 003,
  age: 21,
  place: "Chennai"
});

db.employee.insertOne({
  name: "Kilian",
  empid: 004,
  age: 26,
  place: "Chennai",
  designation: "Manager"
});
```

STDIN

Input for the program (Optional)

Output:

```
{
        "acknowledged" : true,
        "insertedId" : ObjectId("64732a5131e337dbfc72e838")
}
{
        "acknowledged" : true,
        "insertedId" : ObjectId("64732a5131e337dbfc72e839")
}
{
        "acknowledged" : true,
        "insertedId" : ObjectId("64732a5131e337dbfc72e83a")
}
```

created 1 year ago

UPDATE COMMAND

script.js — 3z9wh5d2p — NEW — MONGODB — RUN

```
db.employee.insertOne({
  name: "Hari",
  empid: 002,
  age: 22,
  place: "chennai"
});

db.employee.insertOne({
  name: "Jasmine",
  empid: 003,
  age: 21,
  place: "Chennai"
});

db.employee.insertOne({
  name: "Kilian",
  empid: 004,
  age: 26,
  place: "Chennai",
  designation: "Manager"
});


//updating one row of data in the collection using update command
db.employee.update({designation:"Manager"},{$set:{name:"Kiran Sharma"}});
```

STDIN

Input for the program (Optional)

Output:

```
{
        "acknowledged" : true,
        "insertedId" : ObjectId("64732c61f5226299872bad85")
}
{
        "acknowledged" : true,
        "insertedId" : ObjectId("64732c61f5226299872bad86")
}
{
        "acknowledged" : true,
        "insertedId" : ObjectId("64732c61f5226299872bad87")
}
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified"
```

DELETE COMMAND