

# ASSIGNMENT WEEK-2

SOUMYAJIT MAITY  
REG NO-20BCE7195

## MYSQL

### 1) CREATION

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

```
INSERT INTO EMPLOYEE VALUES (1, 'Clark', 'Sales', 10000);  
INSERT INTO EMPLOYEE VALUES (2, 'Dave', 'Accounting', 5200);  
INSERT INTO EMPLOYEE VALUES (3, 'Ava', 'Sales', 25000);  
INSERT INTO EMPLOYEE VALUES (4, 'Avesh', 'Marketing', 15000);  
INSERT INTO EMPLOYEE VALUES (5, 'Avik', 'Sales', 29000);  
INSERT INTO EMPLOYEE VALUES (6, 'Vikas', 'Technical', 35000);
```

### 2)UPDATION

```
UPDATE EMPLOYEE  
Set dept='HR', salary=14000  
where empld=3;
```

### 3) DELETION

```
Delete from EMPLOYEE  
where empld=1;
```

## JOINS

```
CREATE TABLE OFFICE (  
    empld INTEGER PRIMARY KEY,  
    orderno TEXT,  
    Client TEXT,
```

```
ORDER_AMOUNT INTEGER  
);
```

```
INSERT INTO OFFICE VALUES(1,"563F","TATA",25000);  
INSERT INTO OFFICE VALUES(2,"739AG","JIO",29000);  
INSERT INTO OFFICE VALUES(3,"7893F","HCL",55000);  
INSERT INTO OFFICE VALUES(5,"3456AT","DEXTON",50000);  
INSERT INTO OFFICE VALUES(4,"55EHF","HP",89000);
```

### **1) INNER JOIN**

```
SELECT EMPLOYEE.name,OFFICE.empId,OFFICE.ORDER_AMOUNT  
from OFFICE  
INNER JOIN EMPLOYEE ON EMPLOYEE.empId=OFFICE.empId;
```

### **2) LEFT JOIN**

```
SELECT EMPLOYEE.name,OFFICE.empId,OFFICE.ORDER_AMOUNT  
from OFFICE  
LEFT JOIN EMPLOYEE ON EMPLOYEE.empId=OFFICE.empId;
```

### **3) RIGHT JOIN**

```
SELECT EMPLOYEE.name,OFFICE.empId,OFFICE.ORDER_AMOUNT  
from OFFICE  
RIGHT JOIN EMPLOYEE ON EMPLOYEE.empId=OFFICE.empId;
```

### **4) CROSS JOIN**

```
SELECT *  
FROM OFFICE  
CROSS JOIN EMPLOYEE;
```

### **5) FULL OUTER JOIN**

```
SELECT EMPLOYEE.name,OFFICE.empId,OFFICE.ORDER_AMOUNT  
from OFFICE  
LEFT JOIN EMPLOYEE ON EMPLOYEE.empId=OFFICE.empId
```

union

```
SELECT EMPLOYEE.name,OFFICE.empId,OFFICE.ORDER_AMOUNT  
from OFFICE  
RIGHT JOIN EMPLOYEE ON EMPLOYEE.empId=OFFICE.empId;
```

# MONGODB

## 1) CREATION

```
db.employee.insert(  
  [  
    {name:"Sandeep Sharma", email:"sandeep@example.com", age:28,  
      salary:5333.94},  
    {name:"Manish Fartiyal", email:"manish@example.com", age:26,  
      salary:5555.4},  
    {name:"Santosh Kumar", email:"santosh@example.com", age:30,  
      salary:7000.74},  
    {name:"Dhirendra Chauhan", email:"dhirendra@example.com", age:29,  
      salary:4848.44}  
  ]  
)
```

```
db.employee.find()
```

## 2) UPDATION

```
db.employee.update({email:"atul@example.com"},{$set:{salary: 8000.99}})
```

## 3) DELETION

```
db.employee.remove({email:"atul@example.com"})
```

```
db.employee.remove({})
```