

SMARTBRIDGE EXTERNSHIP

Modern Application Development (Java Spring Boot)

Name: Chava Vedha Samhitha

Reg.No: 20BCE7201

ASSIGNMENT-2

1) Create update, delete commands in my sql?

```
1 CREATE TABLE VEDHA (  
2     rollno int,  
3     name varchar(10),  
4     age int,  
5     branch varchar(10));  
6  
7  
8 -- insert  
9 INSERT INTO VEDHA VALUES (1, 'SAMHITHA',20, 'CSE');  
10 INSERT INTO VEDHA VALUES (2, 'NIKHIL' ,20, 'ECE');  
11 INSERT INTO VEDHA VALUES (3, 'POOJITHA',21, 'CSE-NS');  
12 INSERT INTO VEDHA VALUES (4, 'VIANY', 19, 'ECE');  
13 INSERT INTO VEDHA VALUES (5, 'SUSHVITH',45, 'MECH');  
14  
15 -- fetch  
16 SELECT * FROM VEDHA WHERE branch= 'ECE';  
17
```

rollno	name	age	branch
2	NIKHIL	20	ECE
4	VIANY	19	ECE

UPDATE:

```
UPDATE VEDHA SET name='vamshi' where rollno=2;  
SELECT *FROM VEDHA;
```

rollno	name	age	branch
1	SAMHITHA	20	CSE
2	vamshi	20	ECE
3	POOJITHA	21	CSE-NS
4	VIANY	19	ECE
5	SUSHVITH	45	MECH

DELETE:

```
DELETE FROM VEDHA WHERE rollno = 2;  
SELECT * FROM VEDHA;
```

rollno	name	age	branch
1	SAMHITHA	20	CSE
3	POOJITHA	21	CSE-NS
4	VIANY	19	ECE
5	SUSHVITH	45	MECH

2) Create a table and perform joins in mySql

```
CREATE TABLE STUDENT (  
  id INT PRIMARY KEY,  
  name VARCHAR(50),  
  email VARCHAR(50)  
);  
CREATE TABLE status (  
  id INT PRIMARY KEY,  
  status_date DATE,  
  student_id INT,  
  FOREIGN KEY (student_id) REFERENCES student(id)  
);
```

```
-- insert  
INSERT INTO STUDENT VALUES (1, 'NIKHIL', 'nikhil@gmail.com');  
INSERT INTO STUDENT VALUES (2, 'ABHIRAM', 'abhi@gmail.com');  
INSERT INTO STUDENT VALUES (3, 'Vedha', 'vedha@gmail.com');  
INSERT INTO STUDENT VALUES (4, 'Pooji', 'pooji@gmail.com');  
INSERT INTO STUDENT VALUES (5, 'VAMSHI', 'vamshi@gamil.com');  
  
INSERT INTO status VALUES (11, '2023-05-01', 1);  
INSERT INTO status VALUES (12, '2023-05-02', 2);  
INSERT INTO status VALUES (13, '2023-05-03', 1);  
INSERT INTO status VALUES (14, '2023-05-04', 2);  
INSERT INTO status VALUES (15, '2023-05-05', 4);  
INSERT INTO status VALUES (16, '2023-05-10', 4);  
INSERT INTO status VALUES (17, '2023-05-05', 5);  
  
select * from STUDENT;  
select * from status;
```

id	name	email
1	NIKHIL	nikhil@gmail.com
2	ABHIRAM	abhi@gmail.com
3	Vedha	vedha@gmail.com
4	Pooji	pooji@gmail.com
5	VAMSHI	vamshi@gamil.com

id	status_date	student_id
11	2023-05-01	1
12	2023-05-02	2
13	2023-05-03	1
14	2023-05-04	2
15	2023-05-05	4
16	2023-05-10	4
17	2023-05-05	5

```
SELECT STUDENT.name,status.status_date
FROM STUDENT
INNER JOIN status ON STUDENT.id = status.student_id;
```

name	status_date
NIKHIL	2023-05-01
ABHIRAM	2023-05-02
Vedha	2023-05-03
ABHIRAM	2023-05-04
Pooji	2023-05-05
Pooji	2023-05-10
VAMSHI	2023-05-05

3) Create update, delete commands in mongodb?

Update command:

Code:

```
db.students.insertMany([
  { id: 1, name: 'Ryan', gender: 'M' },
  { id: 2, name: 'Joanna', gender: 'F' }
]);

db.students.find({ gender: 'F' });

db.students.updateOne(
  { id: 1 },
  { $set: { name: "Ryan Smith", gender: "M" } }
);
```

Output

```
mycompiler_mongodb> ... .. {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6473579aa5217a413cb2340c"),
    '1': ObjectId("6473579aa5217a413cb2340d")
  }
}
mycompiler_mongodb> [
  {
    _id: ObjectId("6473579aa5217a413cb2340d"),
    id: 2,
    name: 'Joanna',
    gender: 'F'
  }
]
mycompiler_mongodb> ... .. {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mycompiler_mongodb>
```

After updating

```
mycompiler_mongodb> [
  {
    _id: ObjectId("647358540fb9148257bd6b6e"),
    id: 1,
    name: 'sujan chowdary',
    gender: 'M'
  },
  {
    _id: ObjectId("647358540fb9148257bd6b6f"),
    id: 2,
    name: 'Joanna',
    gender: 'F'
  }
]
```

Deleting commands:

Code:

```
db.students.deleteOne({ id: 2 }); db.students.find()
```

After deleting:

```
mycompiler_mongodb> { acknowledged: true, deletedCount: 1 }
mycompiler_mongodb> [
  {
    _id: ObjectId("647358de792c30f523157d69"),
    id: 1,
    name: 'sujan chowdary',
    gender: 'M'
  }
]
mycompiler_mongodb>
```