ASSIGNMENT-2

DATE: 28-05-2023 **NAME: K. PAVANI**

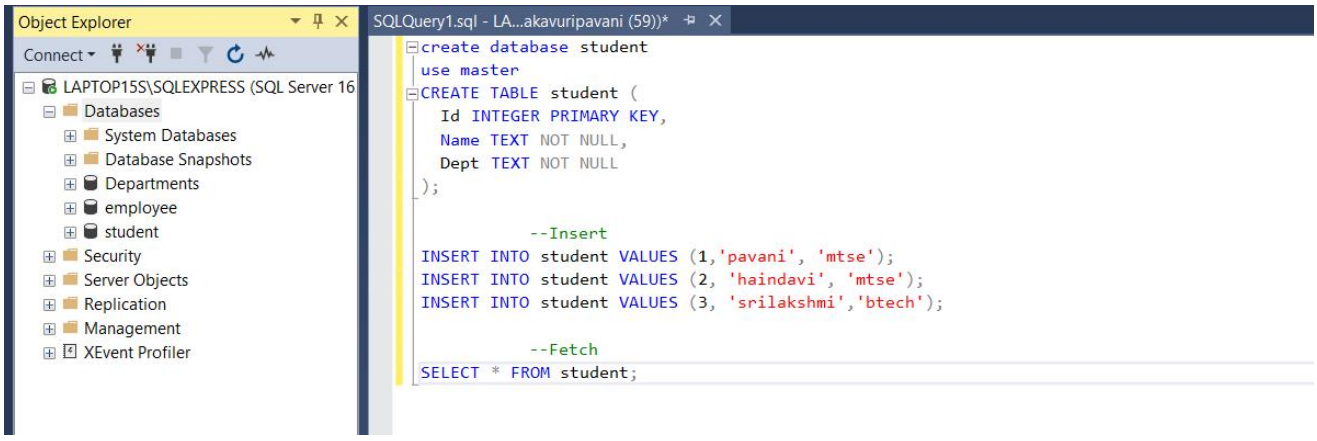
BRANCH: VIT-AP **REG NO:20MIS7029**

1. Create, Update, Delete Commands in MYSQL.

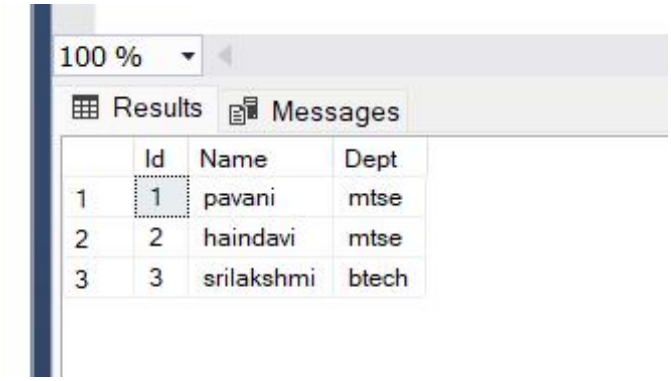
Create:

Code:

```
create database student
use master
CREATE TABLE student (
  Id INTEGER PRIMARY KEY,
  Name TEXT NOT NULL,
  Dept TEXT NOT NULL
);

          --Insert
INSERT INTO student VALUES (1,'pavani', 'mtse');
INSERT INTO student VALUES (2, 'haindavi', 'mtse');
INSERT INTO student VALUES (3, 'srilakshmi','btech');

          --Fetch
SELECT * FROM student;
```



Output:

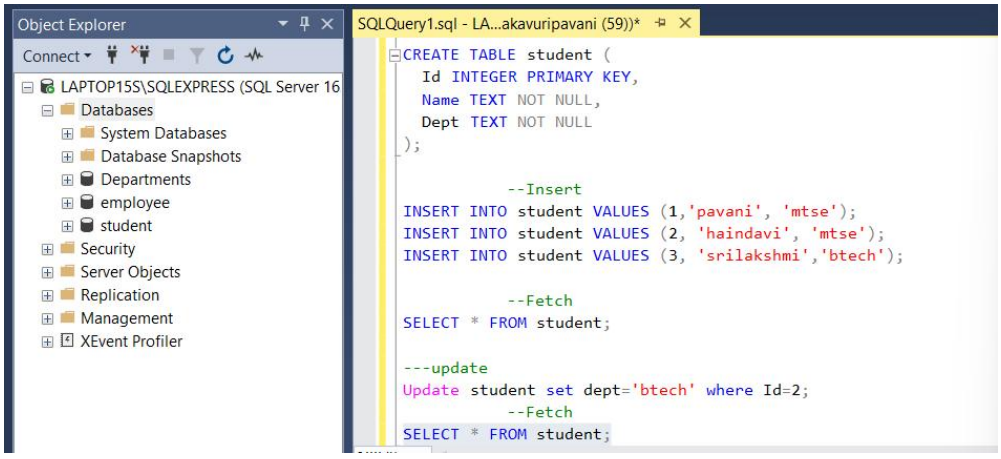


	Id	Name	Dept
1	1	pavani	mtse
2	2	haindavi	mtse
3	3	srilakshmi	btech

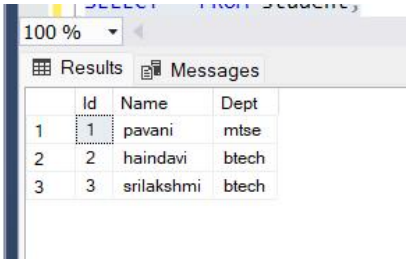
Update:

Code:

```
create database student
use master
CREATE TABLE student (
  Id INTEGER PRIMARY KEY,
  Name TEXT NOT NULL,
  Dept TEXT NOT NULL
);

          --Insert
INSERT INTO student VALUES (1,'pavani', 'mtse');
INSERT INTO student VALUES (2, 'haindavi', 'mtse');
INSERT INTO student VALUES (3, 'srilakshmi','btech');

          --Fetch
SELECT * FROM student;

---update
Update student set dept='btech' where Id=2;
          --Fetch
SELECT * FROM student;
```



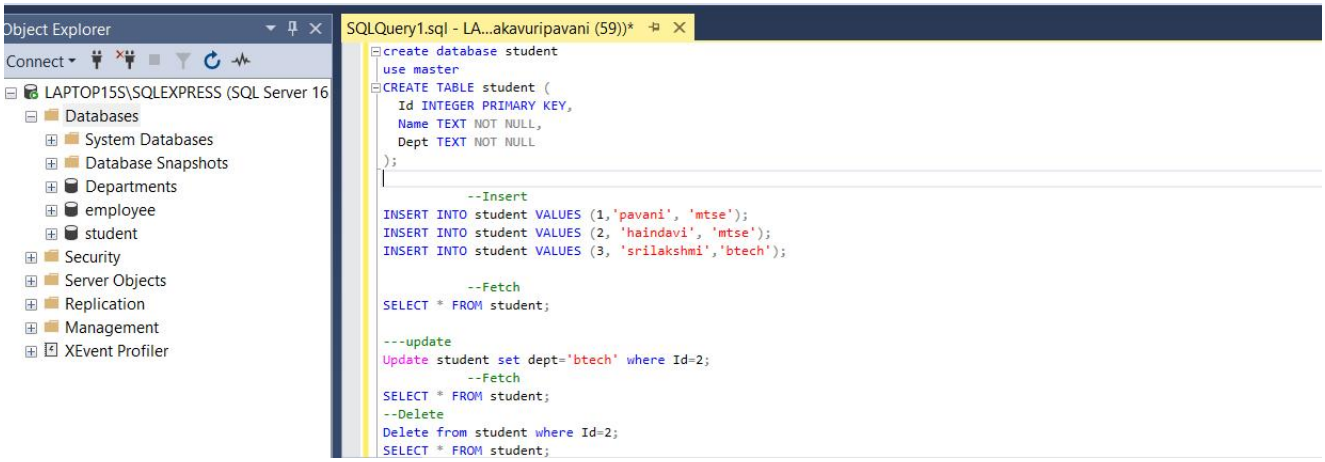
Output:



Delete:

Code:

```
create database student
use master
CREATE TABLE student (
  Id INTEGER PRIMARY KEY,
  Name TEXT NOT NULL,
  Dept TEXT NOT NULL
);

          --Insert
INSERT INTO student VALUES (1,'pavani', 'mtse');
INSERT INTO student VALUES (2, 'haindavi', 'mtse');
INSERT INTO student VALUES (3, 'srilakshmi','btech');

          --Fetch
SELECT * FROM student;

---update
Update student set dept='btech' where Id=2;
          --Fetch
SELECT * FROM student;
--Delete
Delete from student where Id=2;
SELECT * FROM student;
```



Output:

Results Messages

	Id	Name	Dept
1	1	pavani	mtse
2	3	srilakshmi	btech

2. Create tables and perform joins in MySQL.

Create another table as ‘course’.

```
CREATE TABLE course (
  Id INTEGER PRIMARY KEY,
  cname TEXT NOT NULL
);

-- insert
INSERT INTO course VALUES (1, 'java');
INSERT INTO course VALUES (2, 'mysql');

-- fetch
select * from course;
```

Output:

Results Messages

	Id	cname
1	1	java
2	2	mysql

Join operations:

For inner join:

```
select student.name,course.cname from student inner join course on student.Id=course.Id;
```

output:

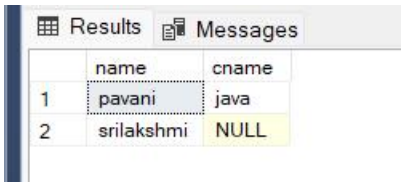
Results Messages

	name	cname
1	pavani	java

For left join:

```
select student.name,course.cname from student left join course on
student.Id=course.Id;
```

output:



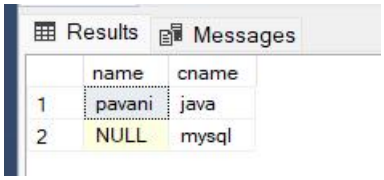
Results Messages

	name	cname
1	pavani	java
2	srilakshmi	NULL

For right join:

```
select student.name,course.cname from student right join course on
student.Id=course.Id;
```

output:

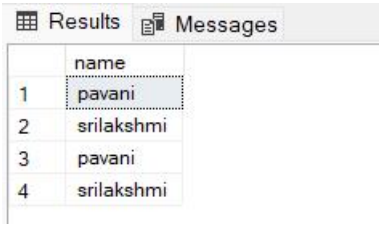


Results Messages

	name	cname
1	pavani	java
2	NULL	mysql

For cross join:

```
select name from student cross join course.
```

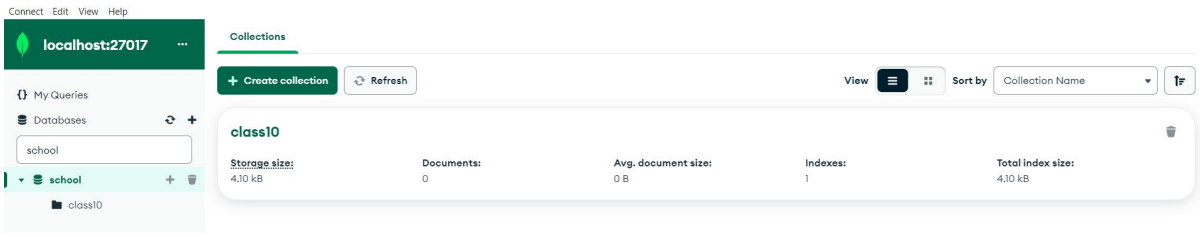


Results Messages

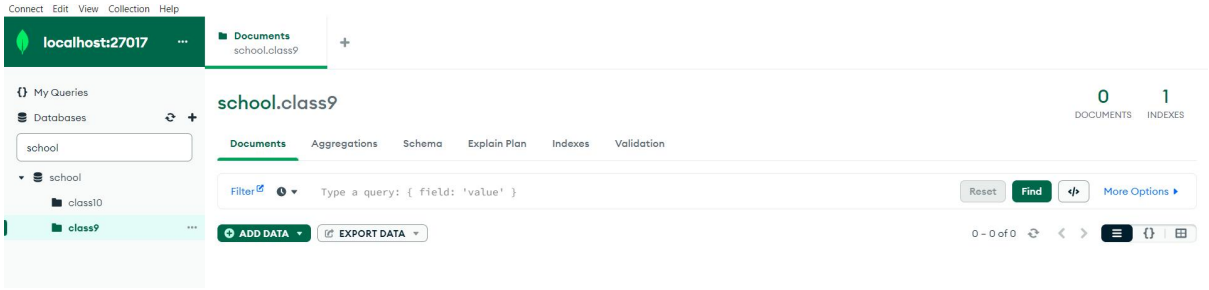
	name
1	pavani
2	srilakshmi
3	pavani
4	srilakshmi

3. Create, Update, Delete Commands in mongo.

- Create a database as school.
- Create a collection as ‘class10’
- `db.createCollection('class10')`



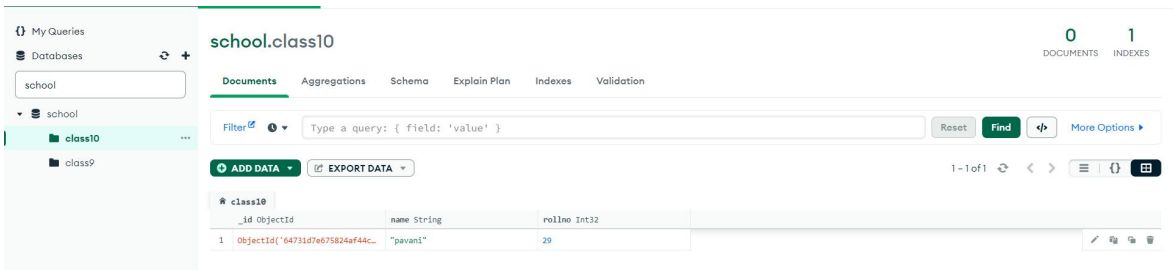
- Create a collection as ‘class9’
- `db.createCollection('class9')`



Insert a table with name and roll no in class10.

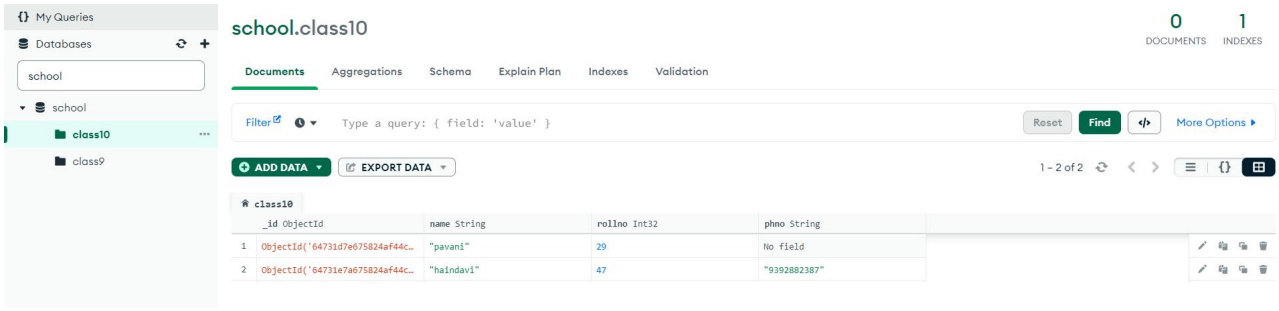
1. name: pavani, rollno:29

```
> db.class10.insertOne({'name': 'pavani', 'rollno':29})
< {
    acknowledged: true,
    insertedId: ObjectId("64731d7e675824af44c47921")
```



2. name: haindavi, roll no: 47, phno: 9392882387

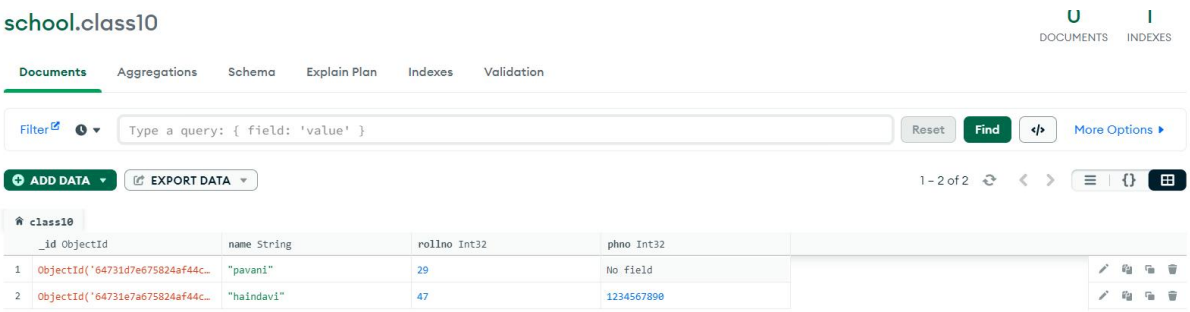
```
> db.class10.insertOne({'name': 'haindavi', 'rollno':47, 'phno':'9392882387'})
< {
    acknowledged: true,
    insertedId: ObjectId("64731e7a675824af44c47922")
  }
```



Update class 10 table rollno:47 data and set the phno.

```
> db.class10.updateOne({'rollno':47},{$set:{'phno':1234567890}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
```

Updated data of roll no 47.



Delete data named with haindavi

```
> db.class10.deleteOne({'name':'haindavi'})
< {
    acknowledged: true,
    deletedCount: 1
  }
```