

## ASSIGNMENT-2

DATE: 28-05-2023

NAME: K. PAVANI

BRANCH: VIT-AP

REG NO:20MIS7029

### 1. Create, Update, Delete Commands in MYSQL.

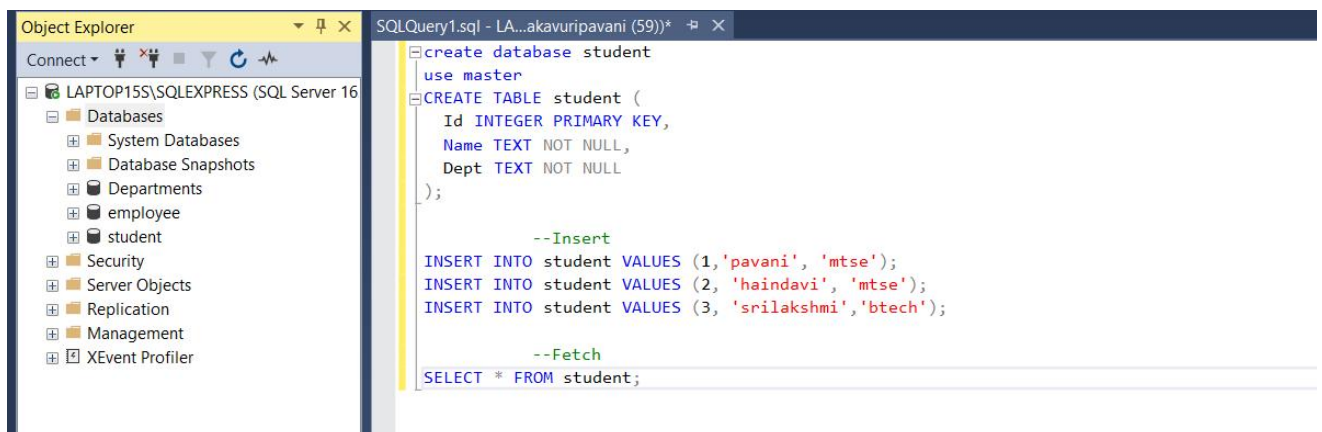
#### Create:

#### Code:

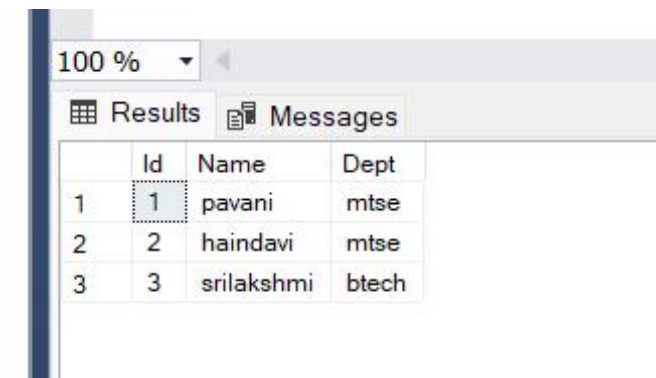
```
create database student
use master
CREATE TABLE student (
    Id INTEGER PRIMARY KEY,
    Name TEXT NOT NULL,
    Dept TEXT NOT NULL
);

--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:



The screenshot shows the 'Results' tab in SQL Server Enterprise Manager. The table has four columns: 'Id', 'Name', and 'Dept'. There are three rows of data. The first row has Id=1, Name=pavani, and Dept=mtse. The second row has Id=2, Name=haindavi, and Dept=mtse. The third row has Id=3, Name=srilakshmi, and Dept=btech.

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

## Update:

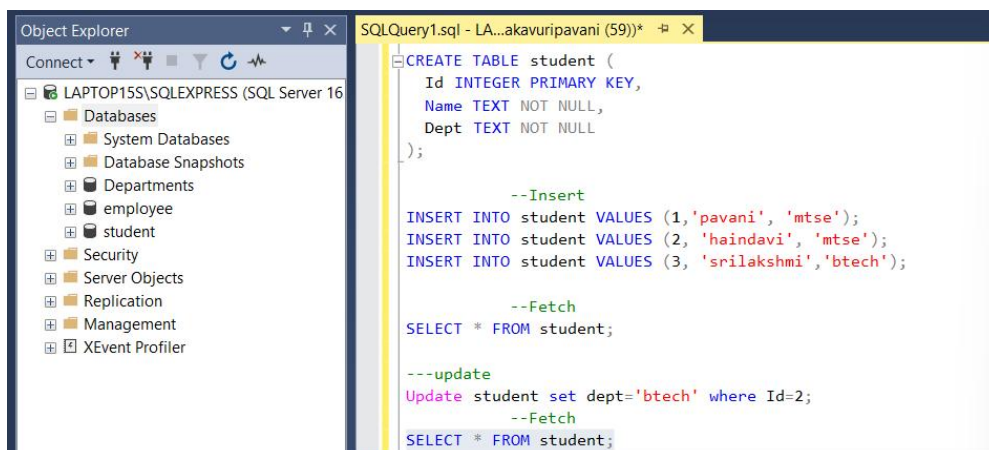
### Code:

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

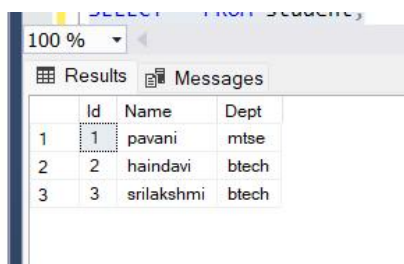
--Insert
INSERT INTO student VALUES (1, 'pavani', 'mtse');
INSERT INTO student VALUES (2, 'haindavi', 'mtse');
INSERT INTO student VALUES (3, 'srilakshmi', 'btech');

--Fetch
SELECT * FROM student;

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



## Output:



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

## Delete:

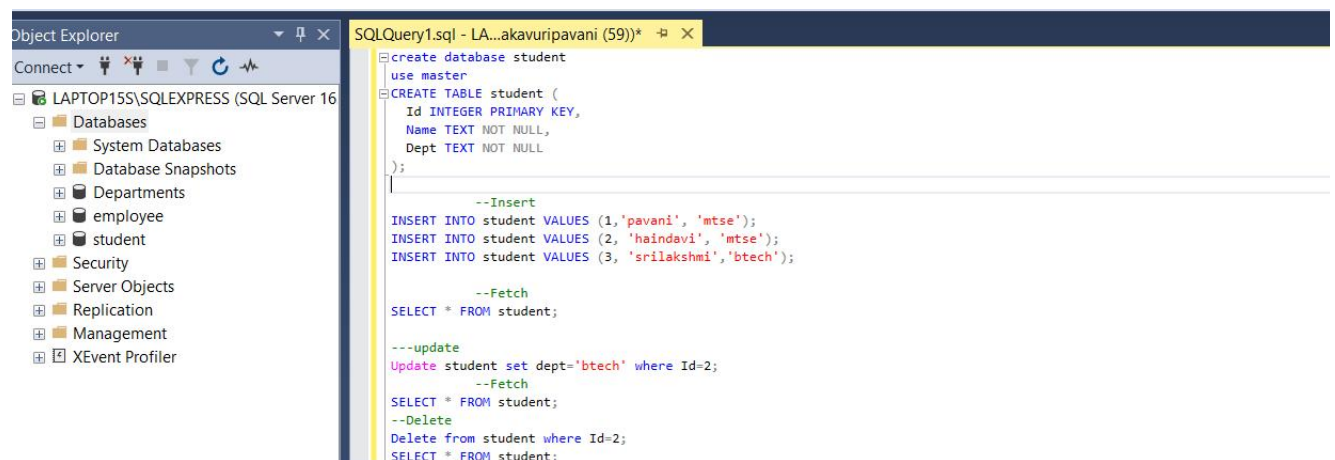
### Code:

```
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;
```



Object Explorer

Connect

LAPTOP155\SQLEXPRESS (SQL Server 16)

Databases

System Databases

Database Snapshots

Departments

employee

student

Security

Server Objects

Replication

Management

XEvent Profiler

SQLQuery1.sql - LA...akavuripavani (59)\*

```
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:

	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:

	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:

	name	cname
1	pavani	java

For left join:

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

output:

	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:

	name	cname
1	pavani	java
2	NULL	mysql

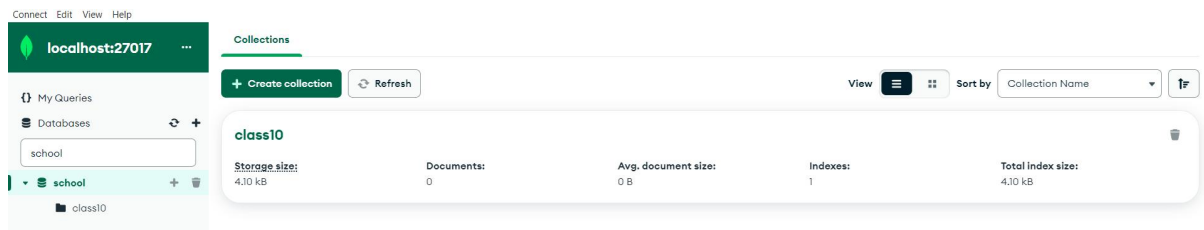
For cross join:

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

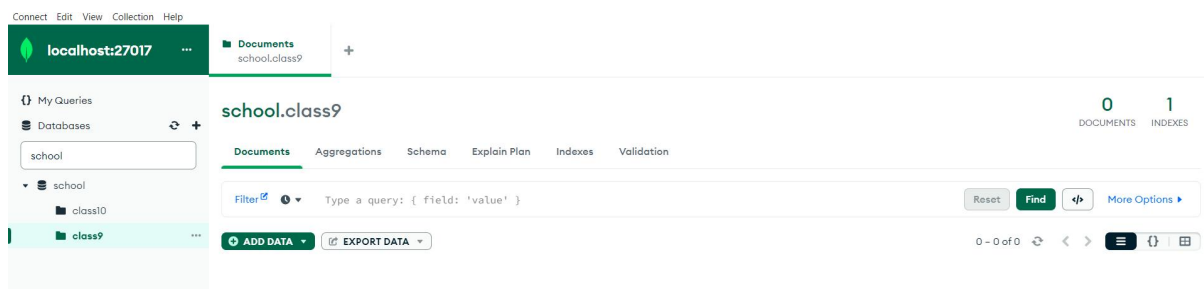
	name
1	pavani
2	srilakshmi
3	pavani
4	srilakshmi

### 3. Create, Update, Delete Commands in mongo.

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

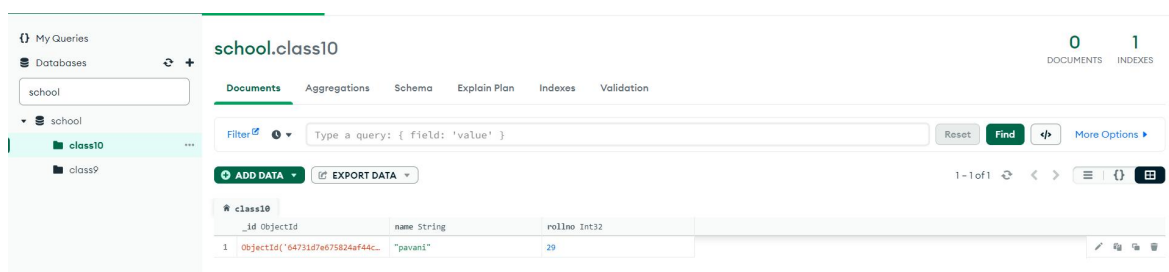


- Create a collection as 'class9'
- `db.createCollection('class9')`



### Insert a table with name and roll no in class10.

1. name: pavani, rollno:29



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

```

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

```

My Queries

Databases

school

class10

class9

school.class10

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' }

Reset Find More Options

ADD DATA EXPORT DATA

1 - 2 of 2

#	class10	_id ObjectId	name String	rollno Int32	phno String
1		ObjectId("64731d7e675824af44c...	"pavani"	29	No field
2		ObjectId("64731e7a675824af44c...	"haindavi"	47	"9392882387"

## 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.

school.class10

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' }

Reset Find More Options

ADD DATA EXPORT DATA

1 - 2 of 2

#	class10	_id ObjectId	name String	rollno Int32	phno Int32
1		ObjectId("64731d7e675824af44c...	"pavani"	29	No field
2		ObjectId("64731e7a675824af44c...	"haindavi"	47	1234567890

## Delete data named with haindavi

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

My Queries

Databases

school

school

class10

class9

school.class10

0 DOCUMENTS1 INDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT DATA

1 - 1 of 1

# class10

	_id ObjectId	name String	rollno Int32
1	ObjectId('64731d7e075824af44c...	"pavani"	29