MODERN APPLICATION DEVELOPMENT JAVA SPRING BOOT

WEEKLY ASSIGNMET:2

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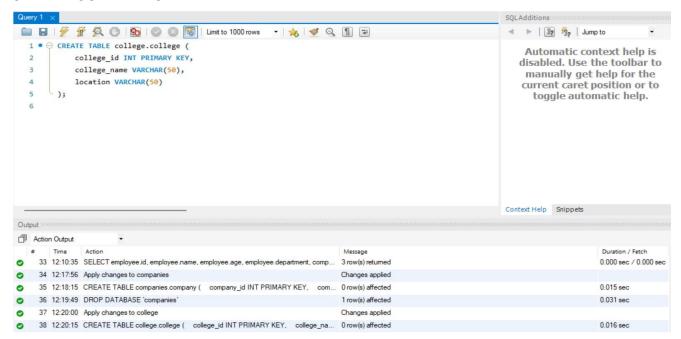
REGNO:20BCE1804

QUESTION:

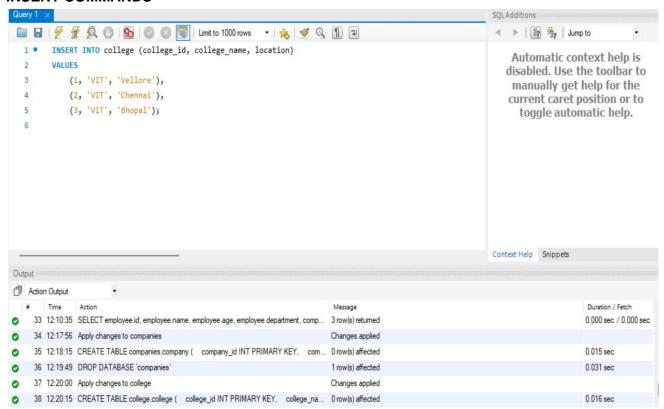
```
create ,update,delete commands in mysql
create tables and perform joins in mysql
create ,update,delete commands in mongo
```

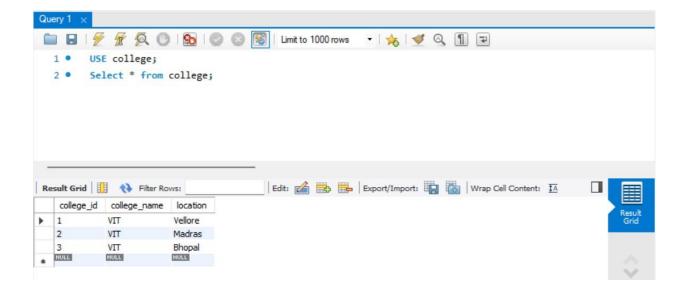
MYSQL:

CREATE COMMANDS

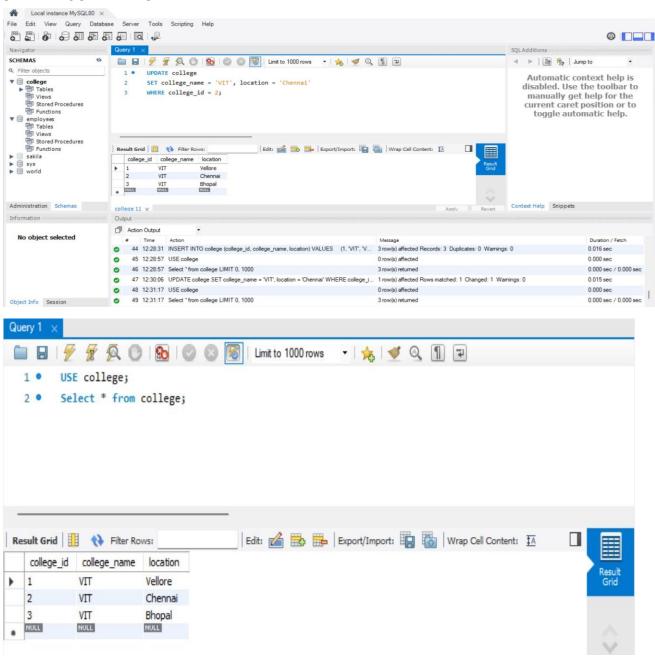


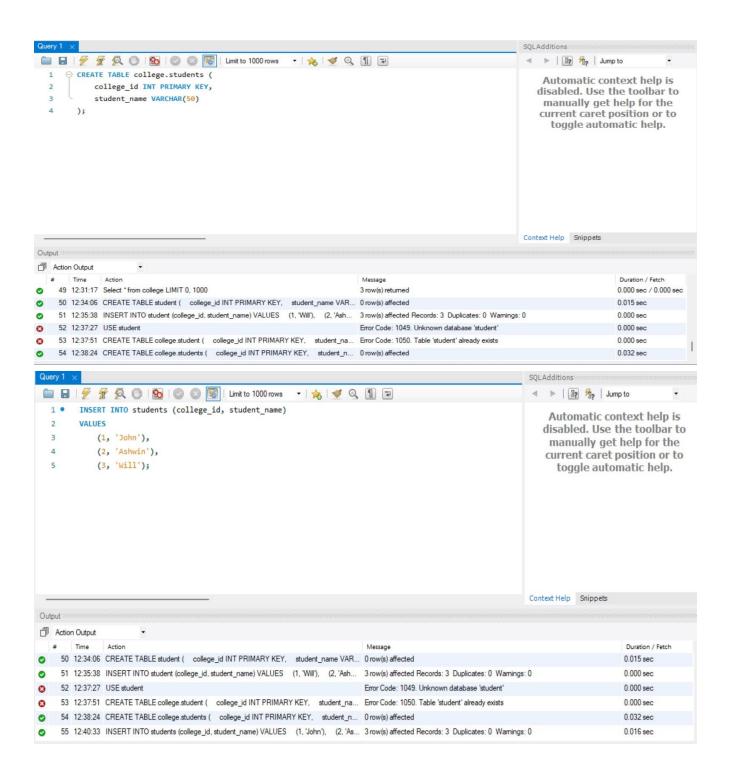
INSERT COMMANDS

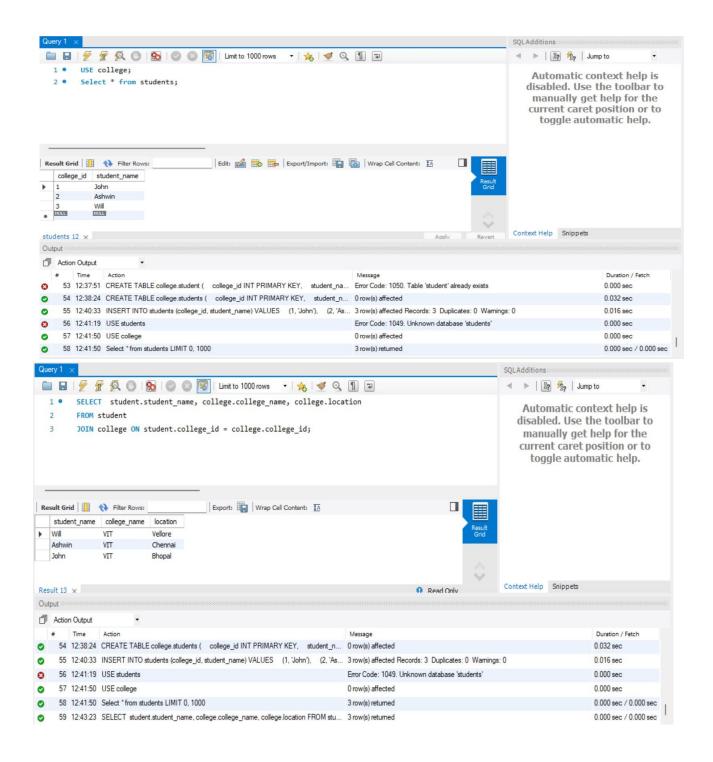




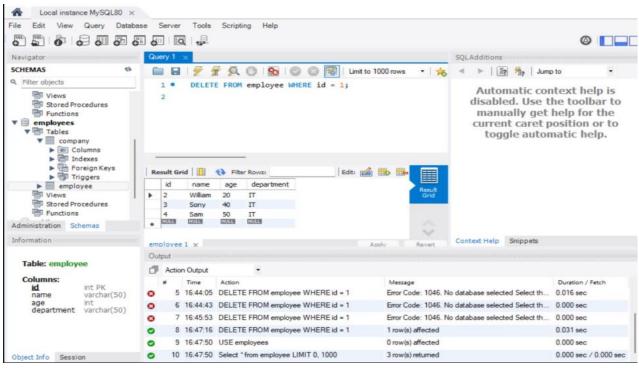
UPDATE COMMANDS:

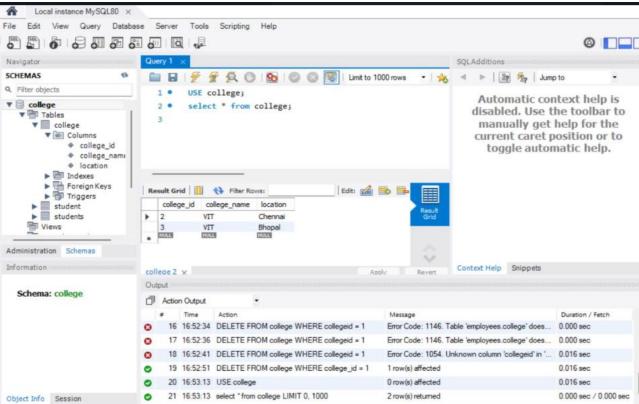


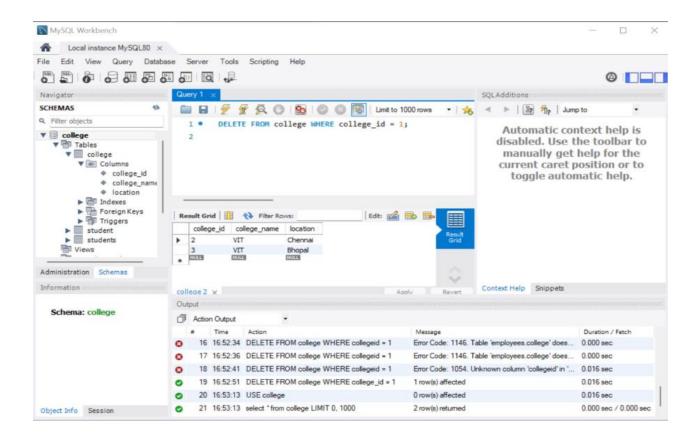




DELETE COMMANDS:







MONGODB:

```
> use dbs
< switched to db dbs
> use cscorner
< switched to db cscorner
> db.employee.insertOne({ id: 1,name:"hari",age:25,status:"employed",dept:"Mech"});
< {
    acknowledged: true,
    insertedId: ObjectId("6473384c34056c98ecee70ba")
}
} db.employee.insertMany([
    { id: 5,name:"ricky",age:21,status:"employed",dept:"Mech"},
    { id: 6,name:"johny",age:25,status:"unemployed",dept:"CSE" },
});
< {
    acknowledged: true,
    insertedIds: {
        '0': ObjectId("647338a334056c98ecee70bb"),
        '1': ObjectId("647338a334056c98ecee70bc")
}</pre>
```

Screenshots of mongo shell:

```
ease enter a MongoDB connection string (Default: mongodb://localhost/):
Current Mongosh Log ID: 64732298f462768aae9bb8e8

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.9.1
                            mongood
6.0.6
1.9.1
Using MongoDB:
Using Mongosh:
 or mongosh info see: https://docs.mongodb.com/mongodb-shell/
To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.
   The server generated these startup warnings when booting
2023-05-28T14:56:45.567+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
test> show dbs
admin 40.00 KiB
config 72.00 KiB
local 72.00 KiB
student 8.00 KiB
 est> use cscorner
witched to db cscorner
cscorner> show dbs
admin 40.00 KiB
config 72.00 KiB
local 72.00 KiB
student 8.00 KiB
 scorner> db.createCollection("employees")
longoServerError: Collection cscorner.employees already exists.
cscorner> show collections
employees
employees
cscorner> use employees
switched to db employees
cscorner> db.createCollection("employees")
 MongoServerError: Collection cscorner.employees already exists.
cscorner> show collections
employees
cscorner> use employees
```

INSERTING COMMANDS:

```
employees> db.employees.insertOne({id:1,name:"Pat",age:180,status:"single",dept:"CSE"})
{
    acknowledged: true,
    insertedId: ObjectId("64732606f462768aae9bb8e9")
}
employees> db.employees.insertMany([{id:2,name:"adv",age:20,status:"American",dept:"CSE"},{id:3,name:"ash",age:20,status:"Single",dept:"Mech"}])
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId("647326acf462768aae9bb8ea"),
        '1': ObjectId("647326acf462768aae9bb8eb")
    }
}
```

UPDATE COMMANDS:

```
employees> db.employees.updateOne({name:"Pat"},{$set:{name:"yeshu"}});
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
employees> db.employees.find().pretty()
    _id: ObjectId("64732606f462768aae9bb8e9"), id: 1, name: 'yeshu',
    age: 180,
status: 'single',
dept: 'CSE'
    _id: ObjectId("647326acf462768aae9bb8ea"), id: 2, name: 'adv',
    age: 20,
    status: 'American',
    dept: 'CSE'
    _id: ObjectId("647326acf462768aae9bb8eb"),
id: 3,
name: 'ash',
    age: 20,
    status: 'Single',
    dept: 'Mech'
```

```
employees> db.employees.updateMany({age:20},{$set :{name:"sai"}});
 acknowledged: true,
  insertedId: null,
  matchedCount: 2,
  modifiedCount: 2,
  upsertedCount: 0
employees> db.employees.find().pretty()
     _id: ObjectId("64732606f462768aae9bb8e9"),
    id: 1,
    name: 'yeshu',
    age: 180, status: 'single',
    dept: 'CSE'
     _id: ObjectId("647326acf462768aae9bb8ea"),
    id: 2,
    name: 'sai',
    age: 20,
status: 'American',
    dept: 'CSE'
    _id: ObjectId("647326acf462768aae9bb8eb"),
    id: 3,
    name: 'sai',
    age: 20, status: 'Single',
    dept: 'Mech'
```

DELETE COMMANDS:

```
employees> db.employees.find().pretty()
  {
    _id: ObjectId("64732606f462768aae9bb8e9"),
   id: 1,
   name: 'yeshu',
   age: 180,
   status: 'single',
   dept: 'CSE'
  },
    _id: ObjectId("647326acf462768aae9bb8ea"),
   id: 2,
   name: 'sai',
   age: 20,
   status: 'American',
    dept: 'CSE'
  },
    _id: ObjectId("647326acf462768aae9bb8eb"),
   id: 3,
    name: 'sai',
    age: 20,
   status: 'Single',
   dept: 'Mech'
```

```
employees> db.employees.deleteOne({ id: 3 });
{ acknowledged: true, deletedCount: 1 }
employees> db.employees.find().pretty()
         _id: ObjectId("64732606f462768aae9bb8e9"),
       id: 1, name: 'yeshu',
       age: 180,
       status: 'single',
       dept: 'CSE'
         _id: ObjectId("647326acf462768aae9bb8ea"),
       id: 2,
       name: 'sai',
       age: 20,
status: 'American',
       dept: 'CSE'
mployees> db.employees.insertMany([{id:2,name:"yash",age:40,status:"korean",dept:"CSE"},{id:4,name:"mapla",age:50,status:"Single",dept:"ECE"}])
 acknowledged: true,
 insertedIds: {
   '0': ObjectId("64732918f462768aae9bb8ec"),
   '1': ObjectId("64732918f462768aae9bb8ed")
employees> db.employees.find().pretty()
  _id: ObjectId("64732606f462768aae9bb8e9"),
id: 1,
name: 'yeshu',
age: 180,
status: 'single',
dept: 'CSE'
   _id: ObjectId("64732918f462768aae9bb8ec"),
  id: 2,
name: 'yash',
age: 40,
status: 'korean',
dept: 'CSE'
  _id: ObjectId("64732918f462768aae9bb8ed"),
id: 4,
name: 'mapla',
age: 50,
status: 'Single',
dept: 'ECE'
```

```
employees> db.employees.deleteMany({ id: 2 },{id:1});
{ acknowledged: true, deletedCount: 1 }
employees> db.employees.find().pretty()
  {
    _id: ObjectId("64732606f462768aae9bb8e9"),
    id: 1,
    name: 'yeshu',
    age: 180,
    status: 'single',
    dept: 'CSE'
  },
    _id: ObjectId("64732918f462768aae9bb8ed"),
   id: 4,
   name: 'mapla',
    age: 50,
    status: 'Single',
    dept: 'ECE'
employees>
```

Mongocompass:

