

# NoSQL

## PART 1

1. Create a database “Student” with the following attributes Rollno, Age, ContactNo, Email-Id.
2. Insert appropriate values
3. Write query to update Email-Id of a student with rollno10.
4. Replace the student name from “ABC” to “FEM” of rollno11.
5. Export the created table into local file system
6. Drop the table
7. Import a given csv dataset from local file system into mongodb collection.

### Create Database

```
db.createCollection("Student");
```

```
Atlas atlas-f5xs60-shard-0 [primary] myFirstDatabase> db.createCollection("student")
{ ok: 1 }
```

### Insert Values

```
db.Student.insert({RollNo:1,Age:21,Cont:9876,email:"antara.de9@gmail.com"});
db.Student.insert({RollNo:2,Age:22,Cont:9976,email:"anushka.de9@gmail.com"});
db.Student.insert({RollNo:3,Age:21,Cont:5576,email:"anubhav.de9@gmail.com"});
db.Student.insert({RollNo:4,Age:20,Cont:4476,email:"pani.de9@gmail.com"});
db.Student.insert({RollNo:10,Age:23,Cont:2276,email:"rekha.de9@gmail.com"});
```

```
Atlas atlas-6maq7m-shard-0 [primary] lab9> db.Student.find()
[
  {
    _id: ObjectId("63cf5945eeca749a71362f5a"),
    RollNo: 1,
    Age: 21,
    Cont: 9876,
    email: 'antara.de9@gmail.com'
  },
  {
    _id: ObjectId("63cf5945eeca749a71362f5b"),
    RollNo: 2,
    Age: 22,
    Cont: 9976,
    email: 'anushka.de9@gmail.com'
  },
  {
    _id: ObjectId("63cf5946eeca749a71362f5c"),
    RollNo: 3,
    Age: 21,
    Cont: 5576,
    email: 'anubhav.de9@gmail.com'
  },
  {
    _id: ObjectId("63cf5946eeca749a71362f5d"),
    RollNo: 4,
    Age: 20,
    Cont: 4476,
    email: 'pani.de9@gmail.com'
  },
  {
    _id: ObjectId("63cf5946eeca749a71362f5e"),
    RollNo: 10,
    Age: 23,
    Cont: 2276,
    email: 'rekha.de9@gmail.com'
  }
]
```

## Queries

1. Write a query to update the Email-Id of a student with rollno10.

```
db.Student.update({RollNo:10},{ $set:{
email:"Abhinav@gmail.com" }}
```

```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
{
  _id: ObjectId("63cf5946eeca749a71362f5e"),
  RollNo: 10,
  Age: 23,
  Cont: 2276,
  email: 'Abhinav@gmail.com'
}
```

2. Replace the student name from “ABC” to “FEM” of rollno 11.

```
db.Student.update({RollNo:11,Name:"ABC"},{ $set:{ Name:"FEM" }}
```

```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
{
  _id: ObjectId("63cf5a81eeca749a71362f5f"),
  RollNo: 11,
  Name: 'ABC',
  Age: 20,
  Cont: 9888,
  email: 'abc@gmail.com'
}
```

```
{
  _id: ObjectId("63cf5a81eeca749a71362f5f"),
  RollNo: 11,
  Name: 'FEM',
  Age: 20,
  Cont: 9888,
  email: 'abc@gmail.com'
}
```

### 3.. Export the created table into local file system

```
mongodb+srv://sanj:sanj257 @cluster0.mfnfeys.mongodb.net/lab9 --
collection=customer --out C:\Users\s\Desktop\Downloads\output.json
```

### 4. Drop the table

```
db.Student.drop();
```

```
Atlas atlas-6maq7m-shard-0 [primary] lab9> db.Student.drop()
true
```

### 5. Import a given csv dataset from local file system into mongodb collection.

```
mongoimport
```

```
C:\Users\BMSCECSE>mongoimport mongodb+srv://antararc:Test1234@cluster0.mfnfeys.mongodb.net/myDB --collection=New_Student --type json --file C:\Users\BMSCECSE\Downloads\output.json
2023-01-12T15:17:35.523+0530 connected to: mongodb+srv://[**REDACTED**]@cluster0.mfnfeys.mongodb.net/myDB
2023-01-12T15:17:35.640+0530 7 document(s) imported successfully. 0 document(s) failed to import.
```