

## Student Database

1. Create a database “Student” with the following attributes Rollno, Age, ContactNo, Email-Id, Name.

```
use Student
switched to db Student
```

2. Insert appropriate values

```
db.Details.insertMany([{"Roll_No": 1, "Age": 21, "Contact": "1234567890", "Email": "student1@gmail.com", "Name": "ABC"}, {"Roll_No": 2, "Age": 20, "Contact": "9987654321", "Email": "student2@gmail.com", "Name": "ABC"}, {"Roll_No": 3, "Age": 25, "Contact": "1123456789", "Email": "student3@gmail.com", "Name": "XYZ"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('69296d2644774d574e517545'),
    '1': ObjectId('69296d2644774d574e517546'),
    '2': ObjectId('69296d2644774d574e517547')
  }
}
```

3. Write query to update Email-Id of a student with Rollno 1.

```
db.Details.updateOne({Roll_No: 1}, {$set: {Email: "updated1@gmail.com"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

4. Replace the student name from “ABC” to “FEM” of Rollno 2.

```
db.Details.updateOne({Roll_No: 2},
                      {$set: {Name: "FEM"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

COMPLETE DATABASE:

```
db.Details.find()
{
  _id: ObjectId('69296d2644774d574e517545'),
  Roll_No: 1,
  Age: 21,
  Contact: '1234567890',
  Email: 'updated1@gmail.com',
  Name: 'ABC'
}
{
  _id: ObjectId('69296d2644774d574e517546'),
  Roll_No: 2,
  Age: 20,
  Contact: '9987654321',
  Email: 'student2@gmail.com',
  Name: 'FEM'
}
{
  _id: ObjectId('69296d2644774d574e517547'),
  Roll_No: 3,
  Age: 25,
  Contact: '1123456789',
  Email: 'student3@gmail.com',
  Name: 'XYZ'
}
```

5. Export the created table into local file system

Export data -> Export the full collection -> File Type CSV -> Export

6. Drop the table.

```
db.Details.drop()
true
```

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

```
_id: ObjectId('69296d2644774d574e517545')
Roll_No : 1
Age : 21
Contact : "1234567890"
Email : "updated1@gmail.com"
Name : "ABC"
```

```
_id: ObjectId('69296d2644774d574e517546')
Roll_No : 2
Age : 20
Contact : "9987654321"
Email : "student2@gmail.com"
Name : "FEM"
```

```
_id: ObjectId('69296d2644774d574e517547')
Roll_No : 3
Age : 25
Contact : "1123456789"
Email : "student3@gmail.com"
Name : "XYZ"
```