Lab3 Program 1:

```
mongo.exe                                                               _ ⊡ X

> use Studentdb;
switched to db Studentdb
> db.createCollection("Student");
{ "ok" : 1 }
> db.Student.insertMany([{ name:"Ram",rollno:10,age:21,contactno:9876543201,emailid:"ram.cs17@gmail.com"},{name:
"pooja@gmail.com"},{name:"Keerthi",rollno:20,age:20,contactno:9225556621,emailid:"keerthi20126@gmail.com"},{name
:roopa72@gmail.com}]);
2020-10-12T14:24:32.405+0530 E QUERY    [js] SyntaxError: illegal character @(shell):1:338
> db.Student.insert([{ name:"Ram",rollno:10,age:21,contactno:9876543201,emailid:"ram.cs17@gmail.com"}]);
BulkWriteResult({
        "writeErrors" : [ ],
        "writeConcernErrors" : [ ],
        "nInserted" : 1,
        "nUpserted" : 0,
        "nMatched" : 0,
        "nModified" : 0,
        "nRemoved" : 0,
        "upserted" : [ ]
})
> db.Student.insert([{name:"Pooja",rollno:11,age:21,contactno:9254682301,emailid:"pooja@gmail.com"},{name:"Keert
rthi20126@gmail.com"},{name:"Roopa",rollno:25,age:22,contactno:9998887771,emailid:"roopa72@gmail.com"}]);
BulkWriteResult({
        "writeErrors" : [ ],
        "writeConcernErrors" : [ ],
        "nInserted" : 3,
        "nUpserted" : 0,
        "nMatched" : 0,
        "nModified" : 0,
        "nRemoved" : 0,
        "upserted" : [ ]
})
```

```
> db.Student.find().pretty();
{
        "_id" : ObjectId("5f8419f3473933cfc7ea82a2"),
        "name" : "Ram",
        "rollno" : 10,
        "age" : 21,
        "contactno" : 9876543201,
        "emailid" : "ram.cs17@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a3"),
        "name" : "Pooja",
        "rollno" : 11,
        "age" : 21,
        "contactno" : 9254682301,
        "emailid" : "pooja@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a4"),
        "name" : "Keerthi",
        "rollno" : 20,
        "age" : 20,
        "contactno" : 9225556621,
        "emailid" : "keerthi20126@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a5"),
        "name" : "Roopa",
        "rollno" : 25,
        "age" : 22,
        "contactno" : 9998887771,
        "emailid" : "roopa72@gmail.com"
}
```
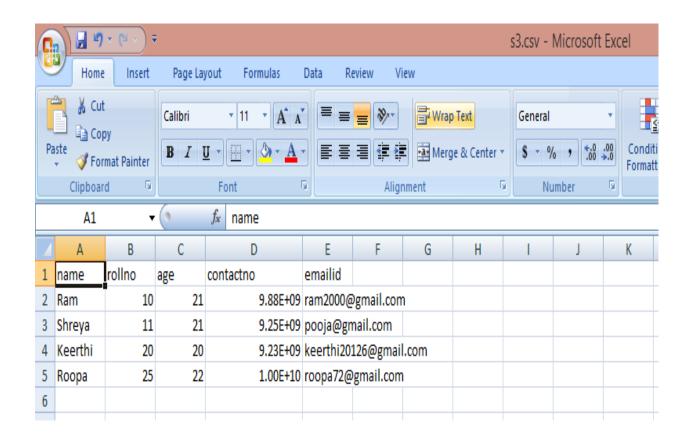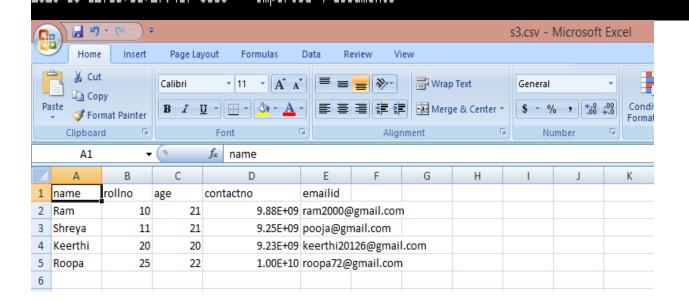
Update Queries:

```
mongo.exe
> db.Student.update({rollno:10},{$set:{emailid:"ram2000@gmail.com"}},{upsert:true});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty();
{
        "_id" : ObjectId("5f8419f3473933cfc7ea82a2"),
        "name" : "Ram",
        "rollno" : 10,
        "age" : 21,
        "contactno" : 9876543201,
        "emailid" : "ram2000@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a3"),
        "name" : "Pooja",
        "rollno" : 11,
        "age" : 21,
        "contactno" : 9254682301,
        "emailid" : "pooja@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a4"),
        "name" : "Keerthi",
        "rollno" : 20,
        "age" : 20,
        "contactno" : 9225556621,
        "emailid" : "keerthi20126@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a5"),
        "name" : "Roopa",
        "rollno" : 25,
        "age" : 22,
        "contactno" : 9998887771,
        "emailid" : "roopa72@gmail.com"
}
```

```
> db.Student.update({rollno:11},{$set:{name:"Shreya"}},{upsert:true});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty();
{
        "_id" : ObjectId("5f8419f3473933cfc7ea82a2"),
        "name" : "Ram",
        "rollno" : 10,
        "age" : 21,
        "contactno" : 9876543201,
        "emailid" : "ram2000@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a3"),
        "name" : "Shreya",
        "rollno" : 11,
        "age" : 21,
        "contactno" : 9254682301,
        "emailid" : "pooja@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a4"),
        "name" : "Keerthi",
        "rollno" : 20,
        "age" : 20,
        "contactno" : 9225556621,
        "emailid" : "keerthi20126@gmail.com"
}
{
        "_id" : ObjectId("5f841a44473933cfc7ea82a5"),
        "name" : "Roopa",
        "rollno" : 25,
        "age" : 22,
        "contactno" : 9998887771,
        "emailid" : "roopa72@gmail.com"
}
```

Mongodb Export and import:

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport --db Studentdb --collection Student --type=csv -
-fieldFile g:\f1.txt --out g:\s3.csv
2020-10-12T15:29:27.962+0530    connected to: localhost
2020-10-12T15:29:27.967+0530    exported 4 records
```

f1.txt - Notepad

File   Edit   Format   View   Help

```
name
rollno
age
contactno
emailid
```

	A	B	C	D	E	F	G	H	I	J	K
1	name	rollno	age	contactno	emailid						
2	Ram	10	21	9.88E+09	ram2000@gmail.com						
3	Shreya	11	21	9.25E+09	pooja@gmail.com						
4	Keerthi	20	20	9.23E+09	keerthi20126@gmail.com						
5	Roopa	25	22	1.00E+10	roopa72@gmail.com						
6											

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db Studentdb --collection Student3 --type=csv
--headerline --file g:\s3.csv
2020-10-12T15:31:27.234+0530     connected to: localhost
2020-10-12T15:31:27.417+0530     imported 4 documents
```


	A	B	C	D	E	F	G	H	I	J	K
1	name	rollno	age	contactno	emailid						
2	Ram	10	21	9.88E+09	ram2000@gmail.com						
3	Shreya	11	21	9.25E+09	pooja@gmail.com						
4	Keerthi	20	20	9.23E+09	keerthi20126@gmail.com						
5	Roopa	25	22	1.00E+10	roopa72@gmail.com						
6											

```
> db.Student3.find().pretty();
{
        "_id" : ObjectId("5f842977b295c03e118454d1"),
        "name" : "Ram",
        "rollno" : 10,
        "age" : 21,
        "contactno" : 9876543201,
        "emailid" : "ram2000@gmail.com"
}
{
        "_id" : ObjectId("5f842977b295c03e118454d2"),
        "name" : "Shreya",
        "rollno" : 11,
        "age" : 21,
        "contactno" : 9254682301,
        "emailid" : "pooja@gmail.com"
}
{
        "_id" : ObjectId("5f842977b295c03e118454d3"),
        "name" : "Keerthi",
        "rollno" : 20,
        "age" : 20,
        "contactno" : 9225556621,
        "emailid" : "keerthi20126@gmail.com"
}
{
        "_id" : ObjectId("5f842977b295c03e118454d4"),
        "name" : "Roopa",
        "rollno" : 25,
        "age" : 22,
        "contactno" : 9998887771,
        "emailid" : "roopa72@gmail.com"
}
>
```