Program 3

Student database

```
use Student

db.createCollection("details")

db.details.insertMany([
{_id:1,Name:'Poorna',Rollno:'9',Age:'21',ContactNo:'9878985678',Emailid:'poorna@gmail.com'},
{_id:2,Name:'Rishika',Rollno:'10',Age:'21',ContactNo:'9877785678',Emailid:'rishika@gmail.com'},
{_id:3,Name:'Priya',Rollno:'11',Age:'21',ContactNo:'9878985456',Emailid:'priya@gmail.com'},
{_id:4,Name:'Pooja',Rollno:'12',Age:'21',ContactNo:'9878985678',Emailid:'pooja@gmail.com'},
])
db.details.find({})

db.details.update({Rollno:'10'},{$set:{Emailid:'poorna99@gmail.com'}})

db.details.update({Rollno:'11'},{$set:{Name:'Riya'}})
```

robo3t

details 🕐 0.002 sec.

Key	Value	Type
⌄ (1) 1.0	{ 6 fields }	Object
_id	1.0	Double
Name	Poorna	String
Rollno	9	String
Age	21	String
ContactNo	9878985678	String
Emailid	poorna@gmail.com	String
⌄ (2) 2.0	{ 6 fields }	Object
_id	2.0	Double
Name	Rishika	String
Rollno	10	String
Age	21	String
ContactNo	9877785678	String
Emailid	poorna99@gmail.com	String
⌄ (3) 3.0	{ 6 fields }	Object
_id	3.0	Double
Name	Riya	String
Rollno	11	String
Age	21	String
ContactNo	9878985456	String
Emailid	priya@gmail.com	String
⌄ (4) 4.0	{ 6 fields }	Object
_id	4.0	Double
Name	Pooja	String
Rollno	12	String
Age	21	String
ContactNo	9878985678	String
Emailid	pooja@gmail.com	String

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport --db Student -c details --type csv --fields "Name, Rollno,Age,Emailid,ContactNo" --out C:\Users\poorna\student.csv
2020-10-08T16:38:31.745+0530    connected to: localhost
2020-10-08T16:38:31.792+0530    exported 604 records
```
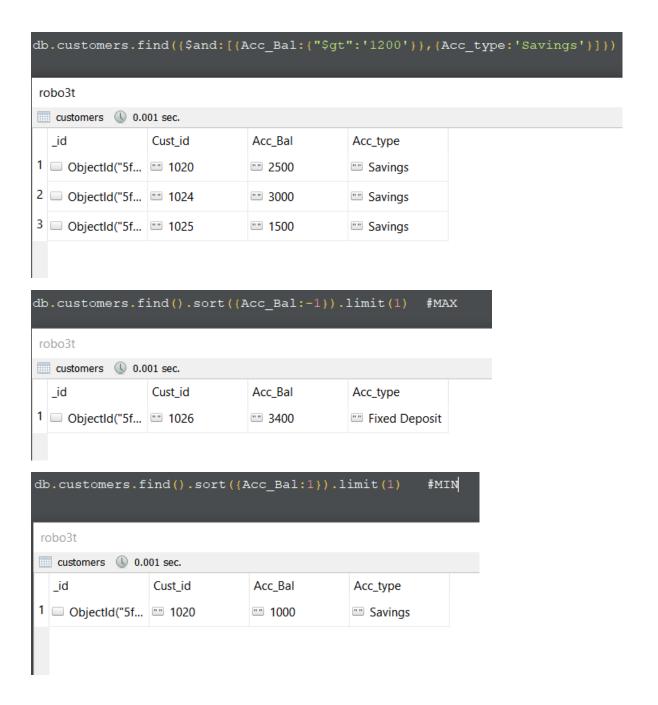
robo3t

details 🕐 0.001 sec.

	_id	id	age	sex	region	income	married	children	car	save_act	current_act
1	ObjectId("5f...	ID12101	48	FEMALE	INNER_CITY	17546	NO	1	NO	NO	NO
2	ObjectId("5f...	ID12102	40	MALE	TOWN	30085.1	YES	3	YES	NO	YES
3	ObjectId("5f...	ID12103	51	FEMALE	INNER_CITY	16575.4	YES	0	YES	YES	YES
4	ObjectId("5f...	ID12104	23	FEMALE	TOWN	20375.4	YES	3	NO	NO	YES
5	ObjectId("5f...	ID12105	57	FEMALE	RURAL	50576.3	YES	0	NO	YES	NO
6	ObjectId("5f...	ID12106	57	FEMALE	TOWN	37869.6	YES	2	NO	YES	YES
7	ObjectId("5f...	ID12107	22	MALE	RURAL	8877.07	NO	0	NO	NO	YES
8	ObjectId("5f...	ID12109	37	FEMALE	SUBURBAN	25304.3	YES	2	YES	NO	NO
9	ObjectId("5f...	ID12108	58	MALE	TOWN	24946.6	YES	0	YES	YES	YES
10	ObjectId("5f...	ID12111	66	FEMALE	TOWN	59803.9	YES	0	NO	YES	YES
11	ObjectId("5f...	ID12110	54	MALE	TOWN	24212.1	YES	2	YES	YES	YES
12	ObjectId("5f...	ID12112	52	FEMALE	INNER_CITY	26658.8	NO	0	YES	YES	YES
13	ObjectId("5f...	ID12114	66	FEMALE	TOWN	55204.7	YES	1	YES	YES	YES
14	ObjectId("5f...	ID12113	44	FEMALE	TOWN	15735.8	YES	1	NO	YES	YES
15	ObjectId("5f...	ID12115	36	MALE	RURAL	19474.6	YES	0	NO	YES	YES
16	ObjectId("5f...	ID12119	62	FEMALE	INNER_CITY	26909.2	YES	0	NO	YES	NO
17	ObjectId("5f...	ID12124	27	FEMALE	TOWN	15538.8	NO	0	YES	YES	YES
18	ObjectId("5f...	ID12125	22	MALE	INNER_CITY	12640.3	NO	2	YES	YES	YES
19	ObjectId("5f...	ID12126	56	MALE	INNER_CITY	41034	YES	0	YES	YES	YES
20	ObjectId("5f...	ID12127	45	MALE	INNER_CITY	20809.7	YES	0	NO	YES	YES

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d Student -c details --type csv --file bank-data.csv --headerline
2020-10-08T16:21:57.942+0530     connected to: localhost
2020-10-08T16:21:57.960+0530     imported 600 documents
```

A	B	C	D	E
Name	Rollno	Age	Emailid	ContactNo
Poorna	9	21	poorna@g	9.88E+09
Rishika	10	21	rishika@gr	9.88E+09
Priya	11	21	priya@gm:	9.88E+09
Pooja	12	21	pooja@gm	9.88E+09

BANK Database

```
use Bank

db.createCollection("customers")

db.customers.insertMany([
{Cust_id:'1020', Acc_Bal:'1000', Acc_type:'Savings'},
{Cust_id:'1022', Acc_Bal:'1150', Acc_type:'Current'},
{Cust_id:'1020', Acc_Bal:'2500', Acc_type:'Savings'},
{Cust_id:'1023', Acc_Bal:'1250', Acc_type:'Fixed Deposit'},
{Cust_id:'1024', Acc_Bal:'3000', Acc_type:'Savings'},
{Cust_id:'1026', Acc_Bal:'3400', Acc_type:'Fixed Deposit'},
{Cust_id:'1025', Acc_Bal:'1500', Acc_type:'Savings'}])

db.customers.find({})
```

	_id	Cust_id	Acc_Bal	Acc_type
1	ObjectId("5f...	1020	1000	Savings
2	ObjectId("5f...	1022	1150	Current
3	ObjectId("5f...	1020	2500	Savings
4	ObjectId("5f...	1023	1250	Fixed Deposit
5	ObjectId("5f...	1024	3000	Savings
6	ObjectId("5f...	1026	3400	Fixed Deposit
7	ObjectId("5f...	1025	1500	Savings

```
db.customers.find({$and:[{Acc_Bal:{"$gt":'1200'}},{Acc_type:'Savings'}]})
```

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customers 🕐 0.001 sec.

	_id	Cust_id	Acc_Bal	Acc_type
1	☐ ObjectId("5f...	⌷ 1020	⌷ 2500	⌷ Savings
2	☐ ObjectId("5f...	⌷ 1024	⌷ 3000	⌷ Savings
3	☐ ObjectId("5f...	⌷ 1025	⌷ 1500	⌷ Savings

```
db.customers.find().sort({Acc_Bal:-1}).limit(1)    #MAX
```

robo3t

customers 🕐 0.001 sec.

	_id	Cust_id	Acc_Bal	Acc_type
1	☐ ObjectId("5f...	⌷ 1026	⌷ 3400	⌷ Fixed Deposit

```
db.customers.find().sort({Acc_Bal:1}).limit(1)    #MIN
```

robo3t

customers 🕐 0.001 sec.

	_id	Cust_id	Acc_Bal	Acc_type
1	☐ ObjectId("5f...	⌷ 1020	⌷ 1000	⌷ Savings

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport --db Bank -c customers --type csv --fields "Cust_id,Acc_Bal,Acc_type" --out C:\Users\poorna\student3.csv
2020-10-08T18:58:52.392+0530    connected to: localhost
2020-10-08T18:58:52.394+0530    exported 7 records
```

Cust_id	Acc_Bal	Acc_type
1020	1000	Savings
1022	1150	Current
1020	2500	Savings
1023	1250	Fixed Deposit
1024	3000	Savings
1026	3400	Fixed Deposit
1025	1500	Savings

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d Bank -c customers --type csv --file bank-data.csv --headerline
2020-10-08T18:48:38.182+0530    connected to: localhost
2020-10-08T18:48:38.195+0530    imported 600 documents
```

	id	id	age	sex	region	income	married	children	car	save_act	current_act	mortgage	pep
1	ObjectId("5f...	ID12101	48	FEMALE	INNER_CITY	17546	NO	1	NO	NO	NO	NO	YES
2	ObjectId("5f...	ID12108	58	MALE	TOWN	24946.6	YES	0	YES	YES	YES	NO	NO
3	ObjectId("5f...	ID12109	37	FEMALE	SUBURBAN	25304.3	YES	2	YES	NO	NO	NO	NO
4	ObjectId("5f...	ID12110	54	MALE	TOWN	24212.1	YES	2	YES	YES	YES	NO	NO
5	ObjectId("5f...	ID12111	66	FEMALE	TOWN	59803.9	YES	0	NO	YES	YES	NO	NO
6	ObjectId("5f...	ID12112	52	FEMALE	INNER_CITY	26658.8	NO	0	YES	YES	YES	YES	NO
7	ObjectId("5f...	ID12114	66	FEMALE	TOWN	55204.7	YES	1	YES	YES	YES	YES	YES
8	ObjectId("5f...	ID12113	44	FEMALE	TOWN	15735.8	YES	1	NO	YES	YES	YES	YES
9	ObjectId("5f...	ID12115	36	MALE	RURAL	19474.6	YES	0	NO	YES	YES	YES	NO
10	ObjectId("5f...	ID12116	38	FEMALE	INNER_CITY	22342.1	YES	0	YES	YES	YES	YES	NO
11	ObjectId("5f...	ID12117	37	FEMALE	TOWN	17729.8	YES	2	NO	NO	NO	YES	NO
12	ObjectId("5f...	ID12104	23	FEMALE	TOWN	20375.4	YES	3	NO	NO	YES	NO	NO

customers 0.001 sec. 0 50