Question II

1

> db.student.insert({\_id:1,name:'Anjali',place:'Kollam',phone:8582639562,vaccination\_status:'Both vaccinated',RTPCR:'negative',lab\_mark:[{internal:30,external:45}],department:'MCA'})

2

> db.student.insert({\_id:3,name:'Bismiya',place:'Kollam',phone:9446639562,vaccination\_status:'Not vaccinated',RTPCR:'positive',lab\_mark:[{internal:50,external:39}],department:'MCA'})

> db.student.insert({\_id:2,name:'Anuradha',place:'Varkala',phone:9992639562,vaccination\_status:'Both vaccinated',RTPCR:'negative',lab\_mark:[{internal:40,external:48}],department:'Civil'})

> db.student.insert({\_id:4,name:'Vimal',place:'Ernakulam',phone:8582639568,vaccination\_status:'First dose only',RTPCR:'positive',lab\_mark:[{internal:40,external:42}],department:'Civil'})

> db.student.insert({\_id:5,name:'Vivek',place:'Kollam',phone:8582639777,vaccination\_status:'Both vaccinated',RTPCR:'negative',lab\_mark:[{internal:50,external:50}],department:'MCA'})

3

> db.student.find({vaccination\_status:"Both vaccinated"},{name:1,phone:1,\_id:0})

{ "name" : "Anuradha", "phone" : 9992639562 }

{ "name" : "Anjali", "phone" : 8582639562 }

{ "name" : "Vivek", "phone" : 8582639777 }

>

4

> db.student.find({department:"MCA"},{name:1,\_id:0,phone:1}).sort({"lab\_mark.external":-1}).limit(2)

{ "name" : "Vivek", "phone" : 8582639777 }

{ "name" : "Anjali", "phone" : 8582639562 }

>

5

> db.student.find({name:{$regex:"^A"}},{\_id:1,name:1,department:1})

{ "\_id" : 2, "name" : "Anuradha", "department" : "Civil" }

{ "\_id" : 1, "name" : "Anjali", "department" : "MCA" }

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