//Part-B

//1

db.Student.insertMany([{ "\_id": 1, "name": "John", "age": 30, "city": "New York", "isActive": true },

{ "\_id": 2, "name": "Jane", "age": 25, "city": "Los Angeles", "isActive": false },

{ "\_id": 3, "name": "Tom", "age": 35, "city": "Chicago", "isActive": true },

{ "\_id": 4, "name": "Lucy", "age": 28, "city": "San Francisco", "isActive": true },

{ "\_id": 5, "name": "David", "age": 40, "city": "Miami", "isActive": false },

{ "\_id": 6, "name": "Eva", "age": 23, "city": "Boston", "isActive": true },

{ "\_id": 7, "name": "Nick", "age": 38, "city": "Seattle", "isActive": false },

{ "\_id": 8, "name": "Sophia", "age": 27, "city": "New York", "isActive": true },

{ "\_id": 9, "name": "Liam", "age": 32, "city": "Los Angeles", "isActive": false },

{ "\_id": 10, "name": "Olivia", "age": 29, "city": "San Diego", "isActive": true } ])

//2

db.Student.find()

//3

db.Student.find({age:30})

//4

db.Student.find({age:{$gt:25}})

//5

db.Student.find({$and : [{name:'John'},{age:30}]})

//6

db.Student.find({age:{$ne:25}})

//7

//Using $or

db.Student.find({$or:[{age:25},{age:30},{age:35}]})

//Using $in

db.Student.find({age:{$in:[25,30,35]}})

//8

db.Student.find({$or : [{name:'John',age:30}]})

//9

db.Student.find({name:'John',city:'New York'})

//10

db.Student.find({name:'John',city:'New York'},{name:1,age:1,\_id:0})