

```

1  Exe A Lab assi 1
2
3  -----
4
5  Create database Institute
6  > use Institute
7  switched to db Institute
8
9  -----
10 Create collection Student.
11 > db.createCollection("Student")
12 { "ok" : 1 }
13
14 -----
15 Insert 10 documents
16 > db.Student.insert({
17   ... S_id:"S111",S_name:"James Smith",Branch:"CSE",Age:20,Panel:"E",
18   ... Address:{Area:"Kothrud",City:"Pune",Pincode:412300},
19   ... Subjects:[{sub_name:"DBMS",score:85},{sub_name:"TOC",score:81}],
20   ... Area_of_Interest:["DBMS","Networking"]
21   ... });
22 WriteResult({ "nInserted" : 1 })
23 >
24 > db.Student.find().pretty()
25 {
26     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
27     "S_id" : "S111",
28     "S_name" : "James Smith",
29     "Branch" : "CSE",
30     "Age" : 20,
31     "Panel" : "E",
32     "Address" : {
33         "Area" : "Kothrud",
34         "City" : "Pune",
35         "Pincode" : 412300
36     },
37     "Subjects" : [
38         {
39             "sub_name" : "DBMS",
40             "score" : 85
41         },
42         {
43             "sub_name" : "TOC",
44             "score" : 81
45         }
46     ],
47     "Area_of_Interest" : [
48         "DBMS",
49         "Networking"
50     ]
51 }
52 >
53 >
54 >
55 > db.Student.insertMany([
56   ... {S_id:"S112",S_name:"Michael Smith",Branch:"CSE",Age:20,Panel:"E",
57   ... Address:{Area:"ShivTirth",City:"Pune",Pincode:412301},
58   ... Subjects:[{sub_name:"DBMS",score:81},{sub_name:"IS",score:83}],
59   ... Area_of_Interest:["DBMS","AI","ML"]},
60   ... {S_id:"S113",S_name:"Robert Smith",Branch:"ECE",Age:21,Panel:"A",
61   ... Address:{Area:"Swargate",City:"Pune",Pincode:412303},
62   ... Subjects:[{sub_name:"AI",score:79},{sub_name:"TOC",score:80}],
63   ... Area_of_Interest:["DBMS","AI","ML","Networking"]},
64   ... {S_id:"S114",S_name:"Maria Garcia",Branch:"MECH",Age:21,Panel:"A",
65   ... Address:{Area:"Shivajinagar",City:"Pune",Pincode:412307},
66   ... Subjects:[{sub_name:"IS",score:90},{sub_name:"AI",score:82}],
67   ... Area_of_Interest:["DBMS","Networking"]},
68   ... {S_id:"S115",S_name:"David Smith",Branch:"ECE",Age:20,Panel:"B",
69   ... Address:{Area:"Kothrud",City:"Pune",Pincode:412300},

```

```

70 ... Subjects:[{sub_name:"TOC",score:78},{sub_name:"AI",score:80}],
71 ... Area_of_Interest:["AI","DS"]},
72 ... {S_id:"S116",S_name:"Maria Rodriguez",Branch:"CSE",Age:21,Panel:"B",
73 ... Address:{Area:"Sangamvadi",City:"Pune",Pincode:412311},
74 ... Subjects:[{sub_name:"IS",score:72},{sub_name:"TOC",score:75}],
75 ... Area_of_Interest:["Networking","DWDM","OS"]},
76 ... {S_id:"S117",S_name:"Mary Smith",Branch:"Civil",Age:20,Panel:"C",
77 ... Address:{Area:"Hadapsar",City:"Pune",Pincode:412312},
78 ... Subjects:[{sub_name:"TOC",score:92},{sub_name:"IS",score:93}],
79 ... Area_of_Interest:["DBMS","DWDM","OS"]},
80 ... {S_id:"S118",S_name:"Maria Hernandez",Branch:"Mech",Age:21,Panel:"E",
81 ... Address:{Area:"Swargate",City:"Pune",Pincode:412303},
82 ... Subjects:[{sub_name:"TOC",score:93},{sub_name:"AI",score:91}],
83 ... Area_of_Interest:["DBMS","Web Dev"]},
84 ... {S_id:"S119",S_name:"Lilly Martinez",Branch:"ECE",Age:20,Panel:"C",
85 ... Address:{Area:"Kothrud",City:"Pune",Pincode:412300},
86 ... Subjects:[{sub_name:"IS",score:81},{sub_name:"AI",score:90}],
87 ... Area_of_Interest:["AWS","Web Dev"]},
88 ... {S_id:"S120",S_name:"James Johnson",Branch:"CSE",Age:21,Panel:"C",
89 ... Address:{Area:"Kothrud",City:"Pune",Pincode:412300},
90 ... Subjects:[{sub_name:"DBMS",score:83},{sub_name:"AI",score:87}],
91 ... Area_of_Interest:["AWS","Develops"]},
92 ... ]});
93 {
94     "acknowledged" : true,
95     "insertedIds" : [
96         ObjectId("60bb5739ae0512016f998c40"),
97         ObjectId("60bb5739ae0512016f998c41"),
98         ObjectId("60bb5739ae0512016f998c42"),
99         ObjectId("60bb5739ae0512016f998c43"),
100        ObjectId("60bb5739ae0512016f998c44"),
101        ObjectId("60bb5739ae0512016f998c45"),
102        ObjectId("60bb5739ae0512016f998c46"),
103        ObjectId("60bb5739ae0512016f998c47"),
104        ObjectId("60bb5739ae0512016f998c48")
105    ]
106 }
107 >
108 >
109 > db.Student.find().pretty()
110 {
111     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
112     "S_id" : "S111",
113     "S_name" : "James Smith",
114     "Branch" : "CSE",
115     "Age" : 20,
116     "Panel" : "E",
117     "Address" : {
118         "Area" : "Kothrud",
119         "City" : "Pune",
120         "Pincode" : 412300
121     },
122     "Subjects" : [
123         {
124             "sub_name" : "DBMS",
125             "score" : 85
126         },
127         {
128             "sub_name" : "TOC",
129             "score" : 81
130         }
131     ],
132     "Area_of_Interest" : [
133         "DBMS",
134         "Networking"
135     ]
136 }
137 {
138     "_id" : ObjectId("60bb5739ae0512016f998c40"),

```

```

139     "S_id" : "S112",
140     "S_name" : "Michael Smith",
141     "Branch" : "CSE",
142     "Age" : 20,
143     "Panel" : "E",
144     "Address" : {
145         "Area" : "ShivTirth",
146         "City" : "Pune",
147         "Pincode" : 412301
148     },
149     "Subjects" : [
150         {
151             "sub_name" : "DBMS",
152             "score" : 81
153         },
154         {
155             "sub_name" : "IS",
156             "score" : 83
157         }
158     ],
159     "Area_of_Interest" : [
160         "DBMS",
161         "AI",
162         "ML"
163     ]
164 }
165 {
166     "_id" : ObjectId("60bb5739ae0512016f998c41"),
167     "S_id" : "S113",
168     "S_name" : "Robert Smith",
169     "Branch" : "ECE",
170     "Age" : 21,
171     "Panel" : "A",
172     "Address" : {
173         "Area" : "Swargate",
174         "City" : "Pune",
175         "Pincode" : 412303
176     },
177     "Subjects" : [
178         {
179             "sub_name" : "AI",
180             "score" : 79
181         },
182         {
183             "sub_name" : "TOC",
184             "score" : 80
185         }
186     ],
187     "Area_of_Interest" : [
188         "DBMS",
189         "AI",
190         "ML",
191         "Networking"
192     ]
193 }
194 {
195     "_id" : ObjectId("60bb5739ae0512016f998c42"),
196     "S_id" : "S114",
197     "S_name" : "Maria Garcia",
198     "Branch" : "MECH",
199     "Age" : 21,
200     "Panel" : "A",
201     "Address" : {
202         "Area" : "Shivajinagar",
203         "City" : "Pune",
204         "Pincode" : 412307
205     },
206     "Subjects" : [
207         {

```

```

208             "sub_name" : "IS",
209             "score" : 90
210         },
211         {
212             "sub_name" : "AI",
213             "score" : 82
214         }
215     ],
216     "Area_of_Interest" : [
217         "DBMS",
218         "Networking"
219     ]
220 }
221 {
222     "_id" : ObjectId("60bb5739ae0512016f998c43"),
223     "S_id" : "S115",
224     "S_name" : "David Smith",
225     "Branch" : "ECE",
226     "Age" : 20,
227     "Panel" : "B",
228     "Address" : {
229         "Area" : "Kothrud",
230         "City" : "Pune",
231         "Pincode" : 412300
232     },
233     "Subjects" : [
234         {
235             "sub_name" : "TOC",
236             "score" : 78
237         },
238         {
239             "sub_name" : "AI",
240             "score" : 80
241         }
242     ],
243     "Area_of_Interest" : [
244         "AI",
245         "DS"
246     ]
247 }
248 {
249     "_id" : ObjectId("60bb5739ae0512016f998c44"),
250     "S_id" : "S116",
251     "S_name" : "Maria Rodriguez",
252     "Branch" : "CSE",
253     "Age" : 21,
254     "Panel" : "B",
255     "Address" : {
256         "Area" : "Sangamvadi",
257         "City" : "Pune",
258         "Pincode" : 412311
259     },
260     "Subjects" : [
261         {
262             "sub_name" : "IS",
263             "score" : 72
264         },
265         {
266             "sub_name" : "TOC",
267             "score" : 75
268         }
269     ],
270     "Area_of_Interest" : [
271         "Networking",
272         "DWDM",
273         "OS"
274     ]
275 }
276 {

```

```

277         "_id" : ObjectId("60bb5739ae0512016f998c45"),
278         "S_id" : "S117",
279         "S_name" : "Mary Smith",
280         "Branch" : "Civil",
281         "Age" : 20,
282         "Panel" : "C",
283         "Address" : {
284             "Area" : "Hadapsar",
285             "City" : "Pune",
286             "Pincode" : 412312
287         },
288         "Subjects" : [
289             {
290                 "sub_name" : "TOC",
291                 "score" : 92
292             },
293             {
294                 "sub_name" : "IS",
295                 "score" : 93
296             }
297         ],
298         "Area_of_Interest" : [
299             "DBMS",
300             "DWDM",
301             "OS"
302         ]
303     }
304 {
305     "_id" : ObjectId("60bb5739ae0512016f998c46"),
306     "S_id" : "S118",
307     "S_name" : "Maria Hernandez",
308     "Branch" : "Mech",
309     "Age" : 21,
310     "Panel" : "E",
311     "Address" : {
312         "Area" : "Swargate",
313         "City" : "Pune",
314         "Pincode" : 412303
315     },
316     "Subjects" : [
317         {
318             "sub_name" : "TOC",
319             "score" : 93
320         },
321         {
322             "sub_name" : "AI",
323             "score" : 91
324         }
325     ],
326     "Area_of_Interest" : [
327         "DBMS",
328         "Web Dev"
329     ]
330 }
331 {
332     "_id" : ObjectId("60bb5739ae0512016f998c47"),
333     "S_id" : "S119",
334     "S_name" : "Lilly Martinez",
335     "Branch" : "ECE",
336     "Age" : 20,
337     "Panel" : "C",
338     "Address" : {
339         "Area" : "Kothrud",
340         "City" : "Pune",
341         "Pincode" : 412300
342     },
343     "Subjects" : [
344         {
345             "sub_name" : "IS",

```

```

346         "score" : 81
347     },
348     {
349         "sub_name" : "AI",
350         "score" : 90
351     }
352 ],
353 "Area_of_Interest" : [
354     "AWS",
355     "Web Dev"
356 ]
357 }
358 {
359     "_id" : ObjectId("60bb5739ae0512016f998c48"),
360     "S_id" : "S120",
361     "S_name" : "James Johnson",
362     "Branch" : "CSE",
363     "Age" : 21,
364     "Panel" : "C",
365     "Address" : {
366         "Area" : "Kothrud",
367         "City" : "Pune",
368         "Pincode" : 412300
369     },
370     "Subjects" : [
371         {
372             "sub_name" : "DBMS",
373             "score" : 83
374         },
375         {
376             "sub_name" : "AI",
377             "score" : 87
378         }
379     ],
380     "Area_of_Interest" : [
381         "AWS",
382         "Develops"
383     ]
384 }
385
386 -----
387 Increment Age by 2
388 > db.Student.find({S_id:"S111"})
389 { "_id" : ObjectId("60bb5715ae0512016f998c3f"), "S_id" : "S111", "S_name" : "James
Smith", "Branch" : "CSE", "Age" : 20, "Panel" : "E", "Address" : { "Area" : "Kothrud",
"City" : "Pune", "Pincode" : 412300 }, "Subjects" : [ { "sub_name" : "DBMS", "score" :
85 }, { "sub_name" : "TOC", "score" : 81 } ], "Area_of_Interest" : [ "DBMS",
"Networking" ] }
390 > db.Student.find({S_id:"S111"}).pretty()
391 {
392     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
393     "S_id" : "S111",
394     "S_name" : "James Smith",
395     "Branch" : "CSE",
396     "Age" : 20,
397     "Panel" : "E",
398     "Address" : {
399         "Area" : "Kothrud",
400         "City" : "Pune",
401         "Pincode" : 412300
402     },
403     "Subjects" : [
404         {
405             "sub_name" : "DBMS",
406             "score" : 85
407         },
408         {
409             "sub_name" : "TOC",
410             "score" : 81

```

```

411         }
412     ],
413     "Area_of_Interest" : [
414         "DBMS",
415         "Networking"
416     ]
417 }
418 >
419 > db.Student.update({S_id:"S111"},{$inc:{Age:2}});
420 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
421 >
422 > db.Student.find({S_id:"S111"}).pretty()
423 {
424     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
425     "S_id" : "S111",
426     "S_name" : "James Smith",
427     "Branch" : "CSE",
428     "Age" : 22,
429     "Panel" : "E",
430     "Address" : {
431         "Area" : "Kothrud",
432         "City" : "Pune",
433         "Pincode" : 412300
434     },
435     "Subjects" : [
436         {
437             "sub_name" : "DBMS",
438             "score" : 85
439         },
440         {
441             "sub_name" : "TOC",
442             "score" : 81
443         }
444     ],
445     "Area_of_Interest" : [
446         "DBMS",
447         "Networking"
448     ]
449 }
450
451
452 -----
453 Push Area_of_Interest
454 > db.Student.update({S_id:"S111"},{$push:{Area_of_Interest:{$each:["NLP"]}}})
455 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
456 >
457 > db.Student.find({S_id:"S111"}).pretty()
458 {
459     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
460     "S_id" : "S111",
461     "S_name" : "James Smith",
462     "Branch" : "CSE",
463     "Age" : 22,
464     "Panel" : "E",
465     "Address" : {
466         "Area" : "Kothrud",
467         "City" : "Pune",
468         "Pincode" : 412300
469     },
470     "Subjects" : [
471         {
472             "sub_name" : "DBMS",
473             "score" : 85
474         },
475         {
476             "sub_name" : "TOC",
477             "score" : 81
478         }
479     ],

```

```

480         "Area_of_Interest" : [
481             "DBMS",
482             "Networking",
483             "NLP"
484         ]
485     }
486
487
488 -----
489 pop subjects
490 > db.Student.update({S_id:"S111"},{$pop:{Subjects:-1}})
491 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
492 > db.Student.find({S_id:"S111"}).pretty()
493 {
494     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
495     "S_id" : "S111",
496     "S_name" : "James Smith",
497     "Branch" : "CSE",
498     "Age" : 22,
499     "Panel" : "E",
500     "Address" : {
501         "Area" : "Kothrud",
502         "City" : "Pune",
503         "Pincode" : 412300
504     },
505     "Subjects" : [
506         {
507             "sub_name" : "TOC",
508             "score" : 81
509         }
510     ],
511     "Area_of_Interest" : [
512         "DBMS",
513         "Networking",
514         "NLP"
515     ]
516 }
517
518 -----
519 Update record
520 >
521 db.Student.update({S_id:"S111"},{$set:{Branch:"Mech",Address:{Area:"Hadapsar",Pincode:412312}}})
522 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
523 >
524 > db.Student.find({S_id:"S111"}).pretty()
525 {
526     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
527     "S_id" : "S111",
528     "S_name" : "James Smith",
529     "Branch" : "Mech",
530     "Age" : 22,
531     "Panel" : "E",
532     "Address" : {
533         "Area" : "Hadapsar",
534         "Pincode" : 412312
535     },
536     "Subjects" : [
537         {
538             "sub_name" : "TOC",
539             "score" : 81
540         }
541     ],
542     "Area_of_Interest" : [
543         "DBMS",
544         "Networking",
545         "NLP"
546     ]
547 }

```



```

547
548
549 -----
550
551 Update Panel B to Panel A
552 > db.Student.update({Panel:"B"},{$set:{Panel:"A"}},{multi:true})
553 WriteResult({ "nMatched" : 2, "nUpserted" : 0, "nModified" : 2 })
554 >
555 > db.Student.find({Panel:"A"}).pretty()
556 {
557     "_id" : ObjectId("60bb5739ae0512016f998c41"),
558     "S_id" : "S113",
559     "S_name" : "Robert Smith",
560     "Branch" : "ECE",
561     "Age" : 21,
562     "Panel" : "A",
563     "Address" : {
564         "Area" : "Swargate",
565         "City" : "Pune",
566         "Pincode" : 412303
567     },
568     "Subjects" : [
569         {
570             "sub_name" : "AI",
571             "score" : 79
572         },
573         {
574             "sub_name" : "TOC",
575             "score" : 80
576         }
577     ],
578     "Area_of_Interest" : [
579         "DBMS",
580         "AI",
581         "ML",
582         "Networking"
583     ]
584 }
585 {
586     "_id" : ObjectId("60bb5739ae0512016f998c42"),
587     "S_id" : "S114",
588     "S_name" : "Maria Garcia",
589     "Branch" : "MECH",
590     "Age" : 21,
591     "Panel" : "A",
592     "Address" : {
593         "Area" : "Shivajinagar",
594         "City" : "Pune",
595         "Pincode" : 412307
596     },
597     "Subjects" : [
598         {
599             "sub_name" : "IS",
600             "score" : 90
601         },
602         {
603             "sub_name" : "AI",
604             "score" : 82
605         }
606     ],
607     "Area_of_Interest" : [
608         "DBMS",
609         "Networking"
610     ]
611 }
612 {
613     "_id" : ObjectId("60bb5739ae0512016f998c43"),
614     "S_id" : "S115",
615     "S_name" : "David Smith",

```

```

616         "Branch" : "ECE",
617         "Age" : 20,
618         "Panel" : "A",
619         "Address" : {
620             "Area" : "Kothrud",
621             "City" : "Pune",
622             "Pincode" : 412300
623         },
624         "Subjects" : [
625             {
626                 "sub_name" : "TOC",
627                 "score" : 78
628             },
629             {
630                 "sub_name" : "AI",
631                 "score" : 80
632             }
633         ],
634         "Area_of_Interest" : [
635             "AI",
636             "DS"
637         ]
638     }
639     {
640         "_id" : ObjectId("60bb5739ae0512016f998c44"),
641         "S_id" : "S116",
642         "S_name" : "Maria Rodriguez",
643         "Branch" : "CSE",
644         "Age" : 21,
645         "Panel" : "A",
646         "Address" : {
647             "Area" : "Sangamvadi",
648             "City" : "Pune",
649             "Pincode" : 412311
650         },
651         "Subjects" : [
652             {
653                 "sub_name" : "IS",
654                 "score" : 72
655             },
656             {
657                 "sub_name" : "TOC",
658                 "score" : 75
659             }
660         ],
661         "Area_of_Interest" : [
662             "Networking",
663             "DWDM",
664             "OS"
665         ]
666     }
667
668
669 -----
670
671 Update with upsert
672
673 > db.Student.update({S_id:"S121"},{$set:{Branch:"CSE",Panel:"A"}},{upsert:true})
674 WriteResult({
675     "nMatched" : 0,
676     "nUpserted" : 1,
677     "nModified" : 0,
678     "_id" : ObjectId("60bb5830f5322caf711ed8b1")
679 })
680 >
681 > db.Student.find({S_id:"S121"}).pretty()
682 {
683     "_id" : ObjectId("60bb5830f5322caf711ed8b1"),
684     "S_id" : "S121",

```

```

685         "Branch" : "CSE",
686         "Panel" : "A"
687     }
688     >
689     > db.Student.remove({Panel:"C"})
690     WriteResult({ "nRemoved" : 3 })
691     >
692     > db.Student.find({"Subjects.score":{$gte:85}})
693     { "_id" : ObjectId("60bb5739ae0512016f998c42"), "S_id" : "S114", "S_name" : "Maria
Garcia", "Branch" : "MECH", "Age" : 21, "Panel" : "A", "Address" : { "Area" :
"Shivajinagar", "City" : "Pune", "Pincode" : 412307 }, "Subjects" : [ { "sub_name" :
"IS", "score" : 90 }, { "sub_name" : "AI", "score" : 82 } ], "Area_of_Interest" : [
"DBMS", "Networking" ] }
694     { "_id" : ObjectId("60bb5739ae0512016f998c46"), "S_id" : "S118", "S_name" : "Maria
Hernandez", "Branch" : "Mech", "Age" : 21, "Panel" : "E", "Address" : { "Area" :
"Swargate", "City" : "Pune", "Pincode" : 412303 }, "Subjects" : [ { "sub_name" : "TOC",
"score" : 93 }, { "sub_name" : "AI", "score" : 91 } ], "Area_of_Interest" : [ "DBMS",
"Web Dev" ] }
695     > db.Student.find({"Subjects.score":{$gte:85}}).pretty()
696     {
697         "_id" : ObjectId("60bb5739ae0512016f998c42"),
698         "S_id" : "S114",
699         "S_name" : "Maria Garcia",
700         "Branch" : "MECH",
701         "Age" : 21,
702         "Panel" : "A",
703         "Address" : {
704             "Area" : "Shivajinagar",
705             "City" : "Pune",
706             "Pincode" : 412307
707         },
708         "Subjects" : [
709             {
710                 "sub_name" : "IS",
711                 "score" : 90
712             },
713             {
714                 "sub_name" : "AI",
715                 "score" : 82
716             }
717         ],
718         "Area_of_Interest" : [
719             "DBMS",
720             "Networking"
721         ]
722     }
723     {
724         "_id" : ObjectId("60bb5739ae0512016f998c46"),
725         "S_id" : "S118",
726         "S_name" : "Maria Hernandez",
727         "Branch" : "Mech",
728         "Age" : 21,
729         "Panel" : "E",
730         "Address" : {
731             "Area" : "Swargate",
732             "City" : "Pune",
733             "Pincode" : 412303
734         },
735         "Subjects" : [
736             {
737                 "sub_name" : "TOC",
738                 "score" : 93
739             },
740             {
741                 "sub_name" : "AI",
742                 "score" : 91
743             }
744         ],
745         "Area_of_Interest" : [

```

```

746         "DBMS",
747         "Web Dev"
748     ]
749 }
750
751 -----
752 Use $gt, $gte, $lt
753
754 > db.Student.find({"Subjects.score":{$gt:90}}).pretty()
755 {
756     "_id" : ObjectId("60bb5739ae0512016f998c46"),
757     "S_id" : "S118",
758     "S_name" : "Maria Hernandez",
759     "Branch" : "Mech",
760     "Age" : 21,
761     "Panel" : "E",
762     "Address" : {
763         "Area" : "Swargate",
764         "City" : "Pune",
765         "Pincode" : 412303
766     },
767     "Subjects" : [
768         {
769             "sub_name" : "TOC",
770             "score" : 93
771         },
772         {
773             "sub_name" : "AI",
774             "score" : 91
775         }
776     ],
777     "Area_of_Interest" : [
778         "DBMS",
779         "Web Dev"
780     ]
781 }
782 >
783 >
784 > db.Student.find({"Subjects.score":{$lt:80}}).pretty()
785 {
786     "_id" : ObjectId("60bb5739ae0512016f998c41"),
787     "S_id" : "S113",
788     "S_name" : "Robert Smith",
789     "Branch" : "ECE",
790     "Age" : 21,
791     "Panel" : "A",
792     "Address" : {
793         "Area" : "Swargate",
794         "City" : "Pune",
795         "Pincode" : 412303
796     },
797     "Subjects" : [
798         {
799             "sub_name" : "AI",
800             "score" : 79
801         },
802         {
803             "sub_name" : "TOC",
804             "score" : 80
805         }
806     ],
807     "Area_of_Interest" : [
808         "DBMS",
809         "AI",
810         "ML",
811         "Networking"
812     ]
813 }
814

```

```

815 {
816     "_id" : ObjectId("60bb5739ae0512016f998c43"),
817     "S_id" : "S115",
818     "S_name" : "David Smith",
819     "Branch" : "ECE",
820     "Age" : 20,
821     "Panel" : "A",
822     "Address" : {
823         "Area" : "Kothrud",
824         "City" : "Pune",
825         "Pincode" : 412300
826     },
827     "Subjects" : [
828         {
829             "sub_name" : "TOC",
830             "score" : 78
831         },
832         {
833             "sub_name" : "AI",
834             "score" : 80
835         }
836     ],
837     "Area_of_Interest" : [
838         "AI",
839         "DS"
840     ]
841 }
842 {
843     "_id" : ObjectId("60bb5739ae0512016f998c44"),
844     "S_id" : "S116",
845     "S_name" : "Maria Rodriguez",
846     "Branch" : "CSE",
847     "Age" : 21,
848     "Panel" : "A",
849     "Address" : {
850         "Area" : "Sangamvadi",
851         "City" : "Pune",
852         "Pincode" : 412311
853     },
854     "Subjects" : [
855         {
856             "sub_name" : "IS",
857             "score" : 72
858         },
859         {
860             "sub_name" : "TOC",
861             "score" : 75
862         }
863     ],
864     "Area_of_Interest" : [
865         "Networking",
866         "DWDM",
867         "OS"
868     ]
869 }
870 >
871 >
872 >
873 > db.Student.find({Age:{$gt:20}}).pretty()
874 {
875     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
876     "S_id" : "S111",
877     "S_name" : "James Smith",
878     "Branch" : "Mech",
879     "Age" : 22,
880     "Panel" : "E",
881     "Address" : {
882         "Area" : "Hadapsar",
883         "Pincode" : 412312

```

```

884     },
885     "Subjects" : [
886         {
887             "sub_name" : "TOC",
888             "score" : 81
889         }
890     ],
891     "Area_of_Interest" : [
892         "DBMS",
893         "Networking",
894         "NLP"
895     ]
896 }
897 {
898     "_id" : ObjectId("60bb5739ae0512016f998c41"),
899     "S_id" : "S113",
900     "S_name" : "Robert Smith",
901     "Branch" : "ECE",
902     "Age" : 21,
903     "Panel" : "A",
904     "Address" : {
905         "Area" : "Swargate",
906         "City" : "Pune",
907         "Pincode" : 412303
908     },
909     "Subjects" : [
910         {
911             "sub_name" : "AI",
912             "score" : 79
913         },
914         {
915             "sub_name" : "TOC",
916             "score" : 80
917         }
918     ],
919     "Area_of_Interest" : [
920         "DBMS",
921         "AI",
922         "ML",
923         "Networking"
924     ]
925 }
926 {
927     "_id" : ObjectId("60bb5739ae0512016f998c42"),
928     "S_id" : "S114",
929     "S_name" : "Maria Garcia",
930     "Branch" : "MECH",
931     "Age" : 21,
932     "Panel" : "A",
933     "Address" : {
934         "Area" : "Shivajinagar",
935         "City" : "Pune",
936         "Pincode" : 412307
937     },
938     "Subjects" : [
939         {
940             "sub_name" : "IS",
941             "score" : 90
942         },
943         {
944             "sub_name" : "AI",
945             "score" : 82
946         }
947     ],
948     "Area_of_Interest" : [
949         "DBMS",
950         "Networking"
951     ]
952 }

```

```

953 {
954     "_id" : ObjectId("60bb5739ae0512016f998c44"),
955     "S_id" : "S116",
956     "S_name" : "Maria Rodriguez",
957     "Branch" : "CSE",
958     "Age" : 21,
959     "Panel" : "A",
960     "Address" : {
961         "Area" : "Sangamvadi",
962         "City" : "Pune",
963         "Pincode" : 412311
964     },
965     "Subjects" : [
966         {
967             "sub_name" : "IS",
968             "score" : 72
969         },
970         {
971             "sub_name" : "TOC",
972             "score" : 75
973         }
974     ],
975     "Area_of_Interest" : [
976         "Networking",
977         "DWDM",
978         "OS"
979     ]
980 }
981 {
982     "_id" : ObjectId("60bb5739ae0512016f998c46"),
983     "S_id" : "S118",
984     "S_name" : "Maria Hernandez",
985     "Branch" : "Mech",
986     "Age" : 21,
987     "Panel" : "E",
988     "Address" : {
989         "Area" : "Swargate",
990         "City" : "Pune",
991         "Pincode" : 412303
992     },
993     "Subjects" : [
994         {
995             "sub_name" : "TOC",
996             "score" : 93
997         },
998         {
999             "sub_name" : "AI",
1000             "score" : 91
1001         }
1002     ],
1003     "Area_of_Interest" : [
1004         "DBMS",
1005         "Web Dev"
1006     ]
1007 }

```

```

1012 Record starting with M
1013 > db.Student.find({S_name:{$regex:/^M/}}).pretty()
1014 {
1015     "_id" : ObjectId("60bb5739ae0512016f998c40"),
1016     "S_id" : "S112",
1017     "S_name" : "Michael Smith",
1018     "Branch" : "CSE",
1019     "Age" : 20,
1020     "Panel" : "E",
1021     "Address" : {

```

```

1022         "Area" : "ShivTirth",
1023         "City" : "Pune",
1024         "Pincode" : 412301
1025     },
1026     "Subjects" : [
1027         {
1028             "sub_name" : "DBMS",
1029             "score" : 81
1030         },
1031         {
1032             "sub_name" : "IS",
1033             "score" : 83
1034         }
1035     ],
1036     "Area_of_Interest" : [
1037         "DBMS",
1038         "AI",
1039         "ML"
1040     ]
1041 }
1042 {
1043     "_id" : ObjectId("60bb5739ae0512016f998c42"),
1044     "S_id" : "S114",
1045     "S_name" : "Maria Garcia",
1046     "Branch" : "MECH",
1047     "Age" : 21,
1048     "Panel" : "A",
1049     "Address" : {
1050         "Area" : "Shivajinagar",
1051         "City" : "Pune",
1052         "Pincode" : 412307
1053     },
1054     "Subjects" : [
1055         {
1056             "sub_name" : "IS",
1057             "score" : 90
1058         },
1059         {
1060             "sub_name" : "AI",
1061             "score" : 82
1062         }
1063     ],
1064     "Area_of_Interest" : [
1065         "DBMS",
1066         "Networking"
1067     ]
1068 }
1069 {
1070     "_id" : ObjectId("60bb5739ae0512016f998c44"),
1071     "S_id" : "S116",
1072     "S_name" : "Maria Rodriguez",
1073     "Branch" : "CSE",
1074     "Age" : 21,
1075     "Panel" : "A",
1076     "Address" : {
1077         "Area" : "Sangamvadi",
1078         "City" : "Pune",
1079         "Pincode" : 412311
1080     },
1081     "Subjects" : [
1082         {
1083             "sub_name" : "IS",
1084             "score" : 72
1085         },
1086         {
1087             "sub_name" : "TOC",
1088             "score" : 75
1089         }
1090     ],

```



```

1091     "Area_of_Interest" : [
1092         "Networking",
1093         "DWDM",
1094         "OS"
1095     ]
1096 }
1097 {
1098     "_id" : ObjectId("60bb5739ae0512016f998c46"),
1099     "S_id" : "S118",
1100     "S_name" : "Maria Hernandez",
1101     "Branch" : "Mech",
1102     "Age" : 21,
1103     "Panel" : "E",
1104     "Address" : {
1105         "Area" : "Swargate",
1106         "City" : "Pune",
1107         "Pincode" : 412303
1108     },
1109     "Subjects" : [
1110         {
1111             "sub_name" : "TOC",
1112             "score" : 93
1113         },
1114         {
1115             "sub_name" : "AI",
1116             "score" : 91
1117         }
1118     ],
1119     "Area_of_Interest" : [
1120         "DBMS",
1121         "Web Dev"
1122     ]
1123 }
1124 >
1125 >
1126 > db.Student.find({S_name:{$regex:/z$/}}).pretty()
1127 {
1128     "_id" : ObjectId("60bb5739ae0512016f998c44"),
1129     "S_id" : "S116",
1130     "S_name" : "Maria Rodriguez",
1131     "Branch" : "CSE",
1132     "Age" : 21,
1133     "Panel" : "A",
1134     "Address" : {
1135         "Area" : "Sangamvadi",
1136         "City" : "Pune",
1137         "Pincode" : 412311
1138     },
1139     "Subjects" : [
1140         {
1141             "sub_name" : "IS",
1142             "score" : 72
1143         },
1144         {
1145             "sub_name" : "TOC",
1146             "score" : 75
1147         }
1148     ],
1149     "Area_of_Interest" : [
1150         "Networking",
1151         "DWDM",
1152         "OS"
1153     ]
1154 }
1155 {
1156     "_id" : ObjectId("60bb5739ae0512016f998c46"),
1157     "S_id" : "S118",
1158     "S_name" : "Maria Hernandez",
1159     "Branch" : "Mech",

```

```

1160         "Age" : 21,
1161         "Panel" : "E",
1162         "Address" : {
1163             "Area" : "Swargate",
1164             "City" : "Pune",
1165             "Pincode" : 412303
1166         },
1167         "Subjects" : [
1168             {
1169                 "sub_name" : "TOC",
1170                 "score" : 93
1171             },
1172             {
1173                 "sub_name" : "AI",
1174                 "score" : 91
1175             }
1176         ],
1177         "Area_of_Interest" : [
1178             "DBMS",
1179             "Web Dev"
1180         ]
1181     }
1182
1183 -----
1184 Total number od Doc
1185 > db.Student.count()
1186 8
1187
1188 -----
1189 Doc with Area_of_Interest having four value
1190 > db.Student.find({Area_of_Interest:{$size:4}}).pretty()
1191 {
1192   "_id" : ObjectId("60bb5739ae0512016f998c41"),
1193   "S_id" : "S113",
1194   "S_name" : "Robert Smith",
1195   "Branch" : "ECE",
1196   "Age" : 21,
1197   "Panel" : "A",
1198   "Address" : {
1199     "Area" : "Swargate",
1200     "City" : "Pune",
1201     "Pincode" : 412303
1202   },
1203   "Subjects" : [
1204     {
1205       "sub_name" : "AI",
1206       "score" : 79
1207     },
1208     {
1209       "sub_name" : "TOC",
1210       "score" : 80
1211     }
1212   ],
1213   "Area_of_Interest" : [
1214     "DBMS",
1215     "AI",
1216     "ML",
1217     "Networking"
1218   ]
1219 }
1220
1221 -----
1222 Display only name
1223 > db.Student.find({}, {_id:0,S_name:1}).pretty()
1224 { "S_name" : "James Smith" }
1225 { "S_name" : "Michael Smith" }

```

```

1229 { "S_name" : "Robert Smith" }
1230 { "S_name" : "Maria Garcia" }
1231 { "S_name" : "David Smith" }
1232 { "S_name" : "Maria Rodriguez" }
1233 { "S_name" : "Maria Hernandez" }
1234 { }
1235
1236
1237 -----
1238 Sorting Doc in descending
1239 > db.Student.find().sort({S_name:-1}).pretty()
1240 {
1241     "_id" : ObjectId("60bb5739ae0512016f998c41"),
1242     "S_id" : "S113",
1243     "S_name" : "Robert Smith",
1244     "Branch" : "ECE",
1245     "Age" : 21,
1246     "Panel" : "A",
1247     "Address" : {
1248         "Area" : "Swargate",
1249         "City" : "Pune",
1250         "Pincode" : 412303
1251     },
1252     "Subjects" : [
1253         {
1254             "sub_name" : "AI",
1255             "score" : 79
1256         },
1257         {
1258             "sub_name" : "TOC",
1259             "score" : 80
1260         }
1261     ],
1262     "Area_of_Interest" : [
1263         "DBMS",
1264         "AI",
1265         "ML",
1266         "Networking"
1267     ]
1268 }
1269 {
1270     "_id" : ObjectId("60bb5739ae0512016f998c40"),
1271     "S_id" : "S112",
1272     "S_name" : "Michael Smith",
1273     "Branch" : "CSE",
1274     "Age" : 20,
1275     "Panel" : "E",
1276     "Address" : {
1277         "Area" : "ShivTirth",
1278         "City" : "Pune",
1279         "Pincode" : 412301
1280     },
1281     "Subjects" : [
1282         {
1283             "sub_name" : "DBMS",
1284             "score" : 81
1285         },
1286         {
1287             "sub_name" : "IS",
1288             "score" : 83
1289         }
1290     ],
1291     "Area_of_Interest" : [
1292         "DBMS",
1293         "AI",
1294         "ML"
1295     ]
1296 }
1297 {

```

```

1298     "_id" : ObjectId("60bb5739ae0512016f998c44"),
1299     "S_id" : "S116",
1300     "S_name" : "Maria Rodriguez",
1301     "Branch" : "CSE",
1302     "Age" : 21,
1303     "Panel" : "A",
1304     "Address" : {
1305         "Area" : "Sangamvadi",
1306         "City" : "Pune",
1307         "Pincode" : 412311
1308     },
1309     "Subjects" : [
1310         {
1311             "sub_name" : "IS",
1312             "score" : 72
1313         },
1314         {
1315             "sub_name" : "TOC",
1316             "score" : 75
1317         }
1318     ],
1319     "Area_of_Interest" : [
1320         "Networking",
1321         "DWDM",
1322         "OS"
1323     ]
1324 }
1325 {
1326     "_id" : ObjectId("60bb5739ae0512016f998c46"),
1327     "S_id" : "S118",
1328     "S_name" : "Maria Hernandez",
1329     "Branch" : "Mech",
1330     "Age" : 21,
1331     "Panel" : "E",
1332     "Address" : {
1333         "Area" : "Swargate",
1334         "City" : "Pune",
1335         "Pincode" : 412303
1336     },
1337     "Subjects" : [
1338         {
1339             "sub_name" : "TOC",
1340             "score" : 93
1341         },
1342         {
1343             "sub_name" : "AI",
1344             "score" : 91
1345         }
1346     ],
1347     "Area_of_Interest" : [
1348         "DBMS",
1349         "Web Dev"
1350     ]
1351 }
1352 {
1353     "_id" : ObjectId("60bb5739ae0512016f998c42"),
1354     "S_id" : "S114",
1355     "S_name" : "Maria Garcia",
1356     "Branch" : "MECH",
1357     "Age" : 21,
1358     "Panel" : "A",
1359     "Address" : {
1360         "Area" : "Shivajinagar",
1361         "City" : "Pune",
1362         "Pincode" : 412307
1363     },
1364     "Subjects" : [
1365         {
1366             "sub_name" : "IS",

```

```

1367         "score" : 90
1368     },
1369     {
1370         "sub_name" : "AI",
1371         "score" : 82
1372     }
1373 ],
1374 "Area_of_Interest" : [
1375     "DBMS",
1376     "Networking"
1377 ]
1378 }
1379 {
1380     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
1381     "S_id" : "S111",
1382     "S_name" : "James Smith",
1383     "Branch" : "Mech",
1384     "Age" : 22,
1385     "Panel" : "E",
1386     "Address" : {
1387         "Area" : "Hadapsar",
1388         "Pincode" : 412312
1389     },
1390     "Subjects" : [
1391         {
1392             "sub_name" : "TOC",
1393             "score" : 81
1394         }
1395     ],
1396     "Area_of_Interest" : [
1397         "DBMS",
1398         "Networking",
1399         "NLP"
1400     ]
1401 }
1402 {
1403     "_id" : ObjectId("60bb5739ae0512016f998c43"),
1404     "S_id" : "S115",
1405     "S_name" : "David Smith",
1406     "Branch" : "ECE",
1407     "Age" : 20,
1408     "Panel" : "A",
1409     "Address" : {
1410         "Area" : "Kothrud",
1411         "City" : "Pune",
1412         "Pincode" : 412300
1413     },
1414     "Subjects" : [
1415         {
1416             "sub_name" : "TOC",
1417             "score" : 78
1418         },
1419         {
1420             "sub_name" : "AI",
1421             "score" : 80
1422         }
1423     ],
1424     "Area_of_Interest" : [
1425         "AI",
1426         "DS"
1427     ]
1428 }
1429 {
1430     "_id" : ObjectId("60bb5830f5322caf711ed8b1"),
1431     "S_id" : "S121",
1432     "Branch" : "CSE",
1433     "Panel" : "A"
1434 }
1435

```

```

1436
1437 -----
1438 Query using and operation
1439 > db.Student.find({$and:[{Age:{$gt:20}},{Panel:"A"}]}).pretty()
1440 {
1441     "_id" : ObjectId("60bb5739ae0512016f998c41"),
1442     "S_id" : "S113",
1443     "S_name" : "Robert Smith",
1444     "Branch" : "ECE",
1445     "Age" : 21,
1446     "Panel" : "A",
1447     "Address" : {
1448         "Area" : "Swargate",
1449         "City" : "Pune",
1450         "Pincode" : 412303
1451     },
1452     "Subjects" : [
1453         {
1454             "sub_name" : "AI",
1455             "score" : 79
1456         },
1457         {
1458             "sub_name" : "TOC",
1459             "score" : 80
1460         }
1461     ],
1462     "Area_of_Interest" : [
1463         "DBMS",
1464         "AI",
1465         "ML",
1466         "Networking"
1467     ]
1468 }
1469 {
1470     "_id" : ObjectId("60bb5739ae0512016f998c42"),
1471     "S_id" : "S114",
1472     "S_name" : "Maria Garcia",
1473     "Branch" : "MECH",
1474     "Age" : 21,
1475     "Panel" : "A",
1476     "Address" : {
1477         "Area" : "Shivajinagar",
1478         "City" : "Pune",
1479         "Pincode" : 412307
1480     },
1481     "Subjects" : [
1482         {
1483             "sub_name" : "IS",
1484             "score" : 90
1485         },
1486         {
1487             "sub_name" : "AI",
1488             "score" : 82
1489         }
1490     ],
1491     "Area_of_Interest" : [
1492         "DBMS",
1493         "Networking"
1494     ]
1495 }
1496 {
1497     "_id" : ObjectId("60bb5739ae0512016f998c44"),
1498     "S_id" : "S116",
1499     "S_name" : "Maria Rodriguez",
1500     "Branch" : "CSE",
1501     "Age" : 21,
1502     "Panel" : "A",
1503     "Address" : {
1504         "Area" : "Sangamvadi",

```

```

1505         "City" : "Pune",
1506         "Pincode" : 412311
1507     },
1508     "Subjects" : [
1509         {
1510             "sub_name" : "IS",
1511             "score" : 72
1512         },
1513         {
1514             "sub_name" : "TOC",
1515             "score" : 75
1516         }
1517     ],
1518     "Area_of_Interest" : [
1519         "Networking",
1520         "DWDM",
1521         "OS"
1522     ]
1523 }
1524
1525
1526 -----
1527

```

1528 Query using or operation

```

1529 > db.Student.find({$or:[{Panel:"E"},{Panel:"A"}]}).pretty()
1530 {
1531     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
1532     "S_id" : "S111",
1533     "S_name" : "James Smith",
1534     "Branch" : "Mech",
1535     "Age" : 22,
1536     "Panel" : "E",
1537     "Address" : {
1538         "Area" : "Hadapsar",
1539         "Pincode" : 412312
1540     },
1541     "Subjects" : [
1542         {
1543             "sub_name" : "TOC",
1544             "score" : 81
1545         }
1546     ],
1547     "Area_of_Interest" : [
1548         "DBMS",
1549         "Networking",
1550         "NLP"
1551     ]
1552 }
1553 {
1554     "_id" : ObjectId("60bb5739ae0512016f998c40"),
1555     "S_id" : "S112",
1556     "S_name" : "Michael Smith",
1557     "Branch" : "CSE",
1558     "Age" : 20,
1559     "Panel" : "E",
1560     "Address" : {
1561         "Area" : "ShivTirth",
1562         "City" : "Pune",
1563         "Pincode" : 412301
1564     },
1565     "Subjects" : [
1566         {
1567             "sub_name" : "DBMS",
1568             "score" : 81
1569         },
1570         {
1571             "sub_name" : "IS",
1572             "score" : 83
1573         }

```

```

1574 ],
1575 "Area_of_Interest" : [
1576     "DBMS",
1577     "AI",
1578     "ML"
1579 ]
1580 }
1581 {
1582     "_id" : ObjectId("60bb5739ae0512016f998c41"),
1583     "S_id" : "S113",
1584     "S_name" : "Robert Smith",
1585     "Branch" : "ECE",
1586     "Age" : 21,
1587     "Panel" : "A",
1588     "Address" : {
1589         "Area" : "Swargate",
1590         "City" : "Pune",
1591         "Pincode" : 412303
1592     },
1593     "Subjects" : [
1594         {
1595             "sub_name" : "AI",
1596             "score" : 79
1597         },
1598         {
1599             "sub_name" : "TOC",
1600             "score" : 80
1601         }
1602     ],
1603     "Area_of_Interest" : [
1604         "DBMS",
1605         "AI",
1606         "ML",
1607         "Networking"
1608     ]
1609 }
1610 {
1611     "_id" : ObjectId("60bb5739ae0512016f998c42"),
1612     "S_id" : "S114",
1613     "S_name" : "Maria Garcia",
1614     "Branch" : "MECH",
1615     "Age" : 21,
1616     "Panel" : "A",
1617     "Address" : {
1618         "Area" : "Shivajinagar",
1619         "City" : "Pune",
1620         "Pincode" : 412307
1621     },
1622     "Subjects" : [
1623         {
1624             "sub_name" : "IS",
1625             "score" : 90
1626         },
1627         {
1628             "sub_name" : "AI",
1629             "score" : 82
1630         }
1631     ],
1632     "Area_of_Interest" : [
1633         "DBMS",
1634         "Networking"
1635     ]
1636 }
1637 {
1638     "_id" : ObjectId("60bb5739ae0512016f998c43"),
1639     "S_id" : "S115",
1640     "S_name" : "David Smith",
1641     "Branch" : "ECE",
1642     "Age" : 20,

```



```

1643     "Panel" : "A",
1644     "Address" : {
1645         "Area" : "Kothrud",
1646         "City" : "Pune",
1647         "Pincode" : 412300
1648     },
1649     "Subjects" : [
1650         {
1651             "sub_name" : "TOC",
1652             "score" : 78
1653         },
1654         {
1655             "sub_name" : "AI",
1656             "score" : 80
1657         }
1658     ],
1659     "Area_of_Interest" : [
1660         "AI",
1661         "DS"
1662     ]
1663 }
1664 {
1665     "_id" : ObjectId("60bb5739ae0512016f998c44"),
1666     "S_id" : "S116",
1667     "S_name" : "Maria Rodriguez",
1668     "Branch" : "CSE",
1669     "Age" : 21,
1670     "Panel" : "A",
1671     "Address" : {
1672         "Area" : "Sangamvadi",
1673         "City" : "Pune",
1674         "Pincode" : 412311
1675     },
1676     "Subjects" : [
1677         {
1678             "sub_name" : "IS",
1679             "score" : 72
1680         },
1681         {
1682             "sub_name" : "TOC",
1683             "score" : 75
1684         }
1685     ],
1686     "Area_of_Interest" : [
1687         "Networking",
1688         "DWDM",
1689         "OS"
1690     ]
1691 }
1692 {
1693     "_id" : ObjectId("60bb5739ae0512016f998c46"),
1694     "S_id" : "S118",
1695     "S_name" : "Maria Hernandez",
1696     "Branch" : "Mech",
1697     "Age" : 21,
1698     "Panel" : "E",
1699     "Address" : {
1700         "Area" : "Swargate",
1701         "City" : "Pune",
1702         "Pincode" : 412303
1703     },
1704     "Subjects" : [
1705         {
1706             "sub_name" : "TOC",
1707             "score" : 93
1708         },
1709         {
1710             "sub_name" : "AI",
1711             "score" : 91

```

```

1712         }
1713     ],
1714     "Area_of_Interest" : [
1715         "DBMS",
1716         "Web Dev"
1717     ]
1718 }
1719 {
1720     "_id" : ObjectId("60bb5830f5322caf711ed8b1"),
1721     "S_id" : "S121",
1722     "Branch" : "CSE",
1723     "Panel" : "A"
1724 }
1725
1726 -----
1727
1728 Display only two documents
1729 > db.Student.find().pretty().limit(2)
1730 {
1731     "_id" : ObjectId("60bb5715ae0512016f998c3f"),
1732     "S_id" : "S111",
1733     "S_name" : "James Smith",
1734     "Branch" : "Mech",
1735     "Age" : 22,
1736     "Panel" : "E",
1737     "Address" : {
1738         "Area" : "Hadapsar",
1739         "Pincode" : 412312
1740     },
1741     "Subjects" : [
1742         {
1743             "sub_name" : "TOC",
1744             "score" : 81
1745         }
1746     ],
1747     "Area_of_Interest" : [
1748         "DBMS",
1749         "Networking",
1750         "NLP"
1751     ]
1752 }
1753 {
1754     "_id" : ObjectId("60bb5739ae0512016f998c40"),
1755     "S_id" : "S112",
1756     "S_name" : "Michael Smith",
1757     "Branch" : "CSE",
1758     "Age" : 20,
1759     "Panel" : "E",
1760     "Address" : {
1761         "Area" : "ShivTirth",
1762         "City" : "Pune",
1763         "Pincode" : 412301
1764     },
1765     "Subjects" : [
1766         {
1767             "sub_name" : "DBMS",
1768             "score" : 81
1769         },
1770         {
1771             "sub_name" : "IS",
1772             "score" : 83
1773         }
1774     ],
1775     "Area_of_Interest" : [
1776         "DBMS",
1777         "AI",
1778         "ML"
1779     ]
1780 }

```

```

1781
1782
1783 -----
1784 Query using all operation
1785 > db.Student.find({Area_of_Interest:{$all:["DBMS","ML"]}}).pretty()
1786 {
1787     "_id" : ObjectId("60bb5739ae0512016f998c40"),
1788     "S_id" : "S112",
1789     "S_name" : "Michael Smith",
1790     "Branch" : "CSE",
1791     "Age" : 20,
1792     "Panel" : "E",
1793     "Address" : {
1794         "Area" : "ShivTirth",
1795         "City" : "Pune",
1796         "Pincode" : 412301
1797     },
1798     "Subjects" : [
1799         {
1800             "sub_name" : "DBMS",
1801             "score" : 81
1802         },
1803         {
1804             "sub_name" : "IS",
1805             "score" : 83
1806         }
1807     ],
1808     "Area_of_Interest" : [
1809         "DBMS",
1810         "AI",
1811         "ML"
1812     ]
1813 }
1814 {
1815     "_id" : ObjectId("60bb5739ae0512016f998c41"),
1816     "S_id" : "S113",
1817     "S_name" : "Robert Smith",
1818     "Branch" : "ECE",
1819     "Age" : 21,
1820     "Panel" : "A",
1821     "Address" : {
1822         "Area" : "Swargate",
1823         "City" : "Pune",
1824         "Pincode" : 412303
1825     },
1826     "Subjects" : [
1827         {
1828             "sub_name" : "AI",
1829             "score" : 79
1830         },
1831         {
1832             "sub_name" : "TOC",
1833             "score" : 80
1834         }
1835     ],
1836     "Area_of_Interest" : [
1837         "DBMS",
1838         "AI",
1839         "ML",
1840         "Networking"
1841     ]
1842 }
1843 >
1844
1845
1846 -----
1847
1848 Drop Document
1849

```

```
1850 > db.Customer.drop()
1851 true
1852
1853
```

```

1  Exe B Lab assi 1
2
3  -----
4
5  Create database Company
6  > use Company
7  switched to db Company
8
9  -----
10 Create collection Customer.
11 > db.createCollection("Customer")
12 { "ok" : 1 }
13
14 -----
15 Insert 10 documents
16 > db.Customer.insert({
17   ... firstName:"James",lastName:"Smith",age:20,
18   ... Address:{streetAddress:"777 Brockton
19 Avenue",city:"Abington",state:"MA",postalCode:2351},
20   ... phoneNumber:[{type:"home",number:4661632082},{type:"fax",number:2899829351}],
21   ... emailAddress:["jamesS@gamil.com","SJames@gmail.com"]}
22 WriteResult({ "nInserted" : 1 })
23 >
24 >
25 > db.Customer.find().pretty()
26 {
27   "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
28   "firstName" : "James",
29   "lastName" : "Smith",
30   "age" : 20,
31   "Address" : {
32     "streetAddress" : "777 Brockton Avenue",
33     "city" : "Abington",
34     "state" : "MA",
35     "postalCode" : 2351
36   },
37   "phoneNumber" : [
38     {
39       "type" : "home",
40       "number" : 4661632082
41     },
42     {
43       "type" : "fax",
44       "number" : 2899829351
45     }
46   ],
47   "emailAddress" : [
48     "jamesS@gamil.com",
49     "SJames@gmail.com"
50   ]
51 }
52 >
53 >
54 >
55 > db.Customer.insertMany([
56   ... {firstName:"Michael",lastName:"Smith",age:21,
57   ... Address:{streetAddress:"279 Troy Road",city:"East
58 Greenbush",state:"NY",postalCode:12061},
59   ... phoneNumber:[{type:"home",number:9808191199},{type:"fax",number:7797374941}],
60   ... emailAddress:["MichS@gamil.com","SMich@gmail.com"]},
61   ... {firstName:"Robert",lastName:"Smith",age:22,
62   ... Address:{streetAddress:"1400 Farmington
63 Ave",city:"Bristol",state:"CT",postalCode:6010},
64   ... phoneNumber:[{type:"home",number:1761266808},{type:"fax",number:9841911399}],
65   ... emailAddress:["Robert@gamil.com","SRob@gmail.com"]},
66   ... {firstName:"Maria",lastName:"Garcia",age:22,
67   ... Address:{streetAddress:"515 Sawmill Road",city:"West
68 Haven",state:"CT",postalCode:6516},

```

```

66 ... phoneNumber:[{type:"home",number:8215484894},{type:"fax",number:6754261777}],
67 ... emailAddress:["MariaG@gamil.com","GMaria@gmail.com"]},
68 ... {firstName:"David",lastName:"Smith",age:21,
69 ... Address:{streetAddress:"30 Memorial Drive",city:"Avon",state:"MA",postalCode:2322},
70 ... phoneNumber:[{type:"home",number:1508518145},{type:"fax",number:6778131732}],
71 ... emailAddress:["David@gamil.com","SDavid@gmail.com"]},
72 ... {firstName:"Maria",lastName:"Rodriguez",age:20,
73 ... Address:{streetAddress:"100 Thruway
Plaza",city:"Cheektowaga",state:"NY",postalCode:14225},
74 ... phoneNumber:[{type:"home",number:2870577148},{type:"fax",number:1700918899}],
75 ... emailAddress:["MariaR@gamil.com","RMaria@gmail.com"]},
76 ... {firstName:"Mary",lastName:"Smith",age:22,
77 ... Address:{streetAddress:"180 River Rd",city:"Lisbon",state:"CT",postalCode:6351},
78 ... phoneNumber:[{type:"home",number:9806068527},{type:"fax",number:3219935317}],
79 ... emailAddress:["Mary@gamil.com","SMary@gmail.com"]},
80 ... {firstName:"Maria",lastName:"Hernandez",age:21,
81 ... Address:{streetAddress:"540 West
Bypass",city:"Andalusia",state:"AL",postalCode:36420},
82 ... phoneNumber:[{type:"home",number:7655200366},{type:"fax",number:0481572451}],
83 ... emailAddress:["MariaH@gamil.com","HMaria@gmail.com"]},
84 ... {firstName:"Lilly",lastName:"Martinez",age:22,
85 ... Address:{streetAddress:"591 Memorial Dr",city:"Chicopee",state:"MA",postalCode:1020},
86 ... phoneNumber:[{type:"home",number:1723748378},{type:"fax",number:3294228998 }],
87 ... emailAddress:["Lilly@gamil.com","MLilly@gmail.com"]},
88 ... {firstName:"James",lastName:"Johnson",age:20,
89 ... Address:{streetAddress:"30 Catskill",city:"Catskill",state:"NY",postalCode:12414},
90 ... phoneNumber:[{type:"home",number:8602583403},{type:"fax",number:2270838423}],
91 ... emailAddress:["JJames@gamil.com","JohnJames@gmail.com"]},
92 ... {firstName:"Kamilah",lastName:"Earhart",age:32,
93 ... Address:{streetAddress:"297 Grant Avenue",city:"Auburn",state:"NY",postalCode:13021},
94 ... phoneNumber:[{type:"home",number:7360386487},{type:"fax",number:8330942524}],
95 ... emailAddress:["Kamilah@gamil.com","EKamlish@gmail.com","KamilahEar@gmail,com"]},
96 ... {firstName:"Alise",lastName:"Pickrell",age:29,
97 ... Address:{streetAddress:"4133 Veterans
Memorial",city:"Batavia",state:"NY",postalCode:14020},
98 ...
phoneNumber:[{type:"home",number:8564397599},{type:"fax",number:5426189495},{type:"Mobile
",number:3314579129}],
99 ... emailAddress:["AliseP@gamil.com","PAlise@gmail.com"]},
100 ... {firstName:"Leticia",lastName:"Wrobel",age:33,
101 ... Address:{streetAddress:"337 Russell St",city:"Hadley",state:"MA",postalCode:1035},
102 ...
phoneNumber:[{type:"home",number:1659846658},{type:"fax",number:3502899930},{type:"Mobile
",number:8437087134}],
103 ... emailAddress:["Leticia@gamil.com","WLeticia@gmail.com","WrobellL@gmail,com"]},
104 ... {firstName:"Caridad",lastName:"Kendall",age:34,
105 ... Address:{streetAddress:"6265
Brockport",city:"Brockport",state:"NY",postalCode:14420},
106 ... phoneNumber:[{type:"home",number:8602583403},{type:"fax",number:4326828684}],
107 ... emailAddress:["Caridad@gamil.com","CaridadK@gmail.com"]},
108 ... {firstName:"Michele",lastName:"Gault",age:36,
109 ... Address:{streetAddress:"5399 W Genesse
St",city:"Camillus",state:"NY",postalCode:13031},
110 ...
phoneNumber:[{type:"home",number:6125582162},{type:"fax",number:0935992552},{type:"Mobile
",number:0395710776}],
111 ... emailAddress:["MichaelG@gamil.com","GMichele@gmail.com","GaultM@gmail,com"]},
112 ... {firstName:"Azalee",lastName:"Racey",age:31,
113 ... Address:{streetAddress:"3191 County rd
10",city:"Canandaigua",state:"NY",postalCode:14424},
114 ...
phoneNumber:[{type:"home",number:8268801323},{type:"fax",number:9568588641},{type:"Mobile
",number:7806366159}],
115 ... emailAddress:["AzaleeR@gamil.com","RAzalee@gmail.com"]},
116 ... {firstName:"Kathlyn",lastName:"Hackenberg",age:31,
117 ... Address:{streetAddress:"20 Soojian Dr",city:"Leicester",state:"MA",postalCode:1524},
118 ... phoneNumber:[{type:"home",number:4131667434},{type:"fax",number:4051166104}],
119 ... emailAddress:["Kathlyn@gamil.com","HKathlyn@gmail.com"]},
120 ... {firstName:"Edie",lastName:"Burststein",age:38,

```

```

121 ... Address:{streetAddress:"30 Catskill",city:"Catskill",state:"NY",postalCode:12414},
122 ... phoneNumber:[{type:"home",number:2601886547},{type:"fax",number:2999933858}],
123 ... emailAddress:["Edie@gamil.com","BEdie@gmail.com","BurststeinE@gmail,com"]},
124 ... {firstName:"Will",lastName:"Strout",age:36,
125 ... Address:{streetAddress:"11 Jungle
Road",city:"Leominster",state:"MA",postalCode:1453},
126 ...
phoneNumber:[{type:"home",number:0976463661},{type:"fax",number:8685337904},{type:"Mobile
",number:9809039510}],
127 ... emailAddress:["Will@gamil.com","SWill@gmail.com"]},
128 ... {firstName:"Cesar",lastName:"Bannon",age:34,
129 ... Address:{streetAddress:"161 Centereach
Mall",city:"Centereach",state:"NY",postalCode:11720},
130 ...
phoneNumber:[{type:"home",number:8803053048},{type:"fax",number:8337163141},{type:"Mobile
",number:9735653616}],
131 ... emailAddress:["Cesar@gamil.com","BCesar@gmail.com"]},
132 ... {firstName:"Hanna",lastName:"Voliva",age:30,
133 ... Address:{streetAddress:"780 Lynnway",city:"Lynn",state:"MA",postalCode:1905},
134 ... phoneNumber:[{type:"home",number:4041954879},{type:"fax",number:2490539545}],
135 ... emailAddress:["Hanna@gamil.com","VHanna@gmail.com","VolivaHanna@gmail,com"]},
136 ... {firstName:"Yvonne",lastName:"Gingerich",age:22,
137 ... Address:{streetAddress:"3018 East Ave",city:"Central
Square",state:"NY",postalCode:13036},
138 ...
phoneNumber:[{type:"home",number:2990731778},{type:"fax",number:4631531140},{type:"Mobile
",number:8829936546}],
139 ... emailAddress:["Yvonne@gamil.com","GYvonne@gmail.com"]},
140 ... {firstName:"Jackie",lastName:"Wolfenbarger",age:22,
141 ... Address:{streetAddress:"100 Thruway
Plaza",city:"Cheektowaga",state:"NY",postalCode:14225},
142 ... phoneNumber:[{type:"home",number:6822716568},{type:"fax",number:7965807774}],
143 ... emailAddress:["Jackie@gamil.com","WJackie@gmail.com"]},
144 ... ]});
145 {
146     "acknowledged" : true,
147     "insertedIds" : [
148         ObjectId("60bb5b87d5ec118047011dd4"),
149         ObjectId("60bb5b87d5ec118047011dd5"),
150         ObjectId("60bb5b87d5ec118047011dd6"),
151         ObjectId("60bb5b87d5ec118047011dd7"),
152         ObjectId("60bb5b87d5ec118047011dd8"),
153         ObjectId("60bb5b87d5ec118047011dd9"),
154         ObjectId("60bb5b87d5ec118047011dda"),
155         ObjectId("60bb5b87d5ec118047011ddb"),
156         ObjectId("60bb5b87d5ec118047011ddc"),
157         ObjectId("60bb5b87d5ec118047011ddd"),
158         ObjectId("60bb5b87d5ec118047011dde"),
159         ObjectId("60bb5b87d5ec118047011ddf"),
160         ObjectId("60bb5b87d5ec118047011de0"),
161         ObjectId("60bb5b87d5ec118047011de1"),
162         ObjectId("60bb5b87d5ec118047011de2"),
163         ObjectId("60bb5b87d5ec118047011de3"),
164         ObjectId("60bb5b87d5ec118047011de4"),
165         ObjectId("60bb5b87d5ec118047011de5"),
166         ObjectId("60bb5b87d5ec118047011de6"),
167         ObjectId("60bb5b87d5ec118047011de7"),
168         ObjectId("60bb5b87d5ec118047011de8"),
169         ObjectId("60bb5b87d5ec118047011de9")
170     ]
171 }
172 >
173 >
174 >
175 > db.Customer.find({lastName:"Smith"}).pretty().limit(1)
176 {
177     "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
178     "firstName" : "James",
179     "lastName" : "Smith",

```

```

180     "age" : 20,
181     "Address" : {
182         "streetAddress" : "777 Brockton Avenue",
183         "city" : "Abington",
184         "state" : "MA",
185         "postalCode" : 2351
186     },
187     "phoneNumber" : [
188         {
189             "type" : "home",
190             "number" : 4661632082
191         },
192         {
193             "type" : "fax",
194             "number" : 2899829351
195         }
196     ],
197     "emailAddress" : [
198         "jamesS@gamil.com",
199         "SJames@gmail.com"
200     ]
201 }
202
203 -----
204 Increment Age by 2
205 > db.Customer.update({lastName:"Smith"},{$inc:{age:2}});
206 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
207 >
208 > db.Customer.find({lastName:"Smith"}).pretty().limit(1)
209 {
210     "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
211     "firstName" : "James",
212     "lastName" : "Smith",
213     "age" : 22,
214     "Address" : {
215         "streetAddress" : "777 Brockton Avenue",
216         "city" : "Abington",
217         "state" : "MA",
218         "postalCode" : 2351
219     },
220     "phoneNumber" : [
221         {
222             "type" : "home",
223             "number" : 4661632082
224         },
225         {
226             "type" : "fax",
227             "number" : 2899829351
228         }
229     ],
230     "emailAddress" : [
231         "jamesS@gamil.com",
232         "SJames@gmail.com"
233     ]
234 }
235
236 -----
237
238 Push emailAddress
239 > db.Customer.find({firstName:"Lilly"}).pretty().limit(1)
240 {
241     "_id" : ObjectId("60bb5b87d5ec118047011ddb"),
242     "firstName" : "Lilly",
243     "lastName" : "Martinez",
244     "age" : 22,
245     "Address" : {
246         "streetAddress" : "591 Memorial Dr",
247         "city" : "Chicopee",
248         "state" : "MA",

```



```

249         "postalCode" : 1020
250     },
251     "phoneNumber" : [
252         {
253             "type" : "home",
254             "number" : 1723748378
255         },
256         {
257             "type" : "fax",
258             "number" : 3294228998
259         }
260     ],
261     "emailAddress" : [
262         "Lilly@gamil.com",
263         "MLilly@gmail.com"
264     ]
265 }
266 >
267 db.Customer.update({firstName:"Lilly"},{$push:{emailAddress:{$each:["LillyM@gmail.com"]}}
268 ...
269 ... ^C
270 >
271 db.Customer.update({firstName:"Lilly"},{$push:{emailAddress:{$each:["LillyM@gmail.com"]}}
272 })
273 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
274 >
275 > db.Customer.find({firstName:"Lilly"}).pretty().limit(1)
276 {
277     "_id" : ObjectId("60bb5b87d5ec118047011ddb"),
278     "firstName" : "Lilly",
279     "lastName" : "Martinez",
280     "age" : 22,
281     "Address" : {
282         "streetAddress" : "591 Memorial Dr",
283         "city" : "Chicopee",
284         "state" : "MA",
285         "postalCode" : 1020
286     },
287     "phoneNumber" : [
288         {
289             "type" : "home",
290             "number" : 1723748378
291         },
292         {
293             "type" : "fax",
294             "number" : 3294228998
295         }
296     ],
297     "emailAddress" : [
298         "Lilly@gamil.com",
299         "MLilly@gmail.com",
300         "LillyM@gmail.com"
301     ]
302 }
303
304 -----
305 pop emailAddress
306 > db.Customer.find({firstName:"James"}).pretty().limit(1)
307 {
308     "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
309     "firstName" : "James",
310     "lastName" : "Smith",
311     "age" : 22,
312     "Address" : {
313         "streetAddress" : "777 Brockton Avenue",
314         "city" : "Abington",
315         "state" : "MA",

```

```

315         "postalCode" : 2351
316     },
317     "phoneNumber" : [
318         {
319             "type" : "home",
320             "number" : 4661632082
321         },
322         {
323             "type" : "fax",
324             "number" : 2899829351
325         }
326     ],
327     "emailAddress" : [
328         "jamesS@gamil.com",
329         "SJames@gmail.com"
330     ]
331 }
332 > db.Customer.update({firstName:"James"},{$pop:{emailAddress:-1}})
333 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
334 > db.Customer.find({firstName:"James"}).pretty().limit(1)
335 {
336     "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
337     "firstName" : "James",
338     "lastName" : "Smith",
339     "age" : 22,
340     "Address" : {
341         "streetAddress" : "777 Brockton Avenue",
342         "city" : "Abington",
343         "state" : "MA",
344         "postalCode" : 2351
345     },
346     "phoneNumber" : [
347         {
348             "type" : "home",
349             "number" : 4661632082
350         },
351         {
352             "type" : "fax",
353             "number" : 2899829351
354         }
355     ],
356     "emailAddress" : [
357         "SJames@gmail.com"
358     ]
359 }

```

```

360
361 -----
362 Update record
363 > db.Customer.find({lastName:"Hernandez"}).pretty().limit(1)
364 {
365     "_id" : ObjectId("60bb5b87d5ec118047011dda"),
366     "firstName" : "Maria",
367     "lastName" : "Hernandez",
368     "age" : 21,
369     "Address" : {
370         "streetAddress" : "540 West Bypass",
371         "city" : "Andalusia",
372         "state" : "AL",
373         "postalCode" : 36420
374     },
375     "phoneNumber" : [
376         {
377             "type" : "home",
378             "number" : 7655200366
379         },
380         {
381             "type" : "fax",
382             "number" : 481572451
383         }
384     ]
385 }

```

```

384         }
385     ],
386     "emailAddress" : [
387         "MariaH@gamil.com",
388         "HMaria@gmail.com"
389     ]
390 }
391 > db.Customer.update({lastName:"Hernandez"},{$set:{Address:{state:"CT",Pincode:4123}}})
392 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
393 > db.Customer.find({lastName:"Hernandez"}).pretty().limit(1)
394 {
395     "_id" : ObjectId("60bb5b87d5ec118047011dda"),
396     "_firstName" : "Maria",
397     "lastName" : "Hernandez",
398     "age" : 21,
399     "Address" : {
400         "state" : "CT",
401         "Pincode" : 4123
402     },
403     "phoneNumber" : [
404         {
405             "type" : "home",
406             "number" : 7655200366
407         },
408         {
409             "type" : "fax",
410             "number" : 481572451
411         }
412     ],
413     "emailAddress" : [
414         "MariaH@gamil.com",
415         "HMaria@gmail.com"
416     ]
417 }
418 >
419 >
420 >
421 >
422 >
423 > db.Customer.find({lastName:"Smith"}).pretty().limit(1)
424 {
425     "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
426     "_firstName" : "James",
427     "lastName" : "Smith",
428     "age" : 22,
429     "Address" : {
430         "streetAddress" : "777 Brockton Avenue",
431         "city" : "Abington",
432         "state" : "MA",
433         "postalCode" : 2351
434     },
435     "phoneNumber" : [
436         {
437             "type" : "home",
438             "number" : 4661632082
439         },
440         {
441             "type" : "fax",
442             "number" : 2899829351
443         }
444     ],
445     "emailAddress" : [
446         "SJJames@gmail.com"
447     ]
448 }
449 > db.Customer.update({lastName:"Smith"},{$set:{age:23}})
450 WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
451 > db.Customer.find({lastName:"Smith"}).pretty().limit(1)
452 {

```

```

453     "_id" : ObjectId("60bb5b6bd5ec118047011dd3"),
454     "firstName" : "James",
455     "lastName" : "Smith",
456     "age" : 23,
457     "Address" : {
458         "streetAddress" : "777 Brockton Avenue",
459         "city" : "Abington",
460         "state" : "MA",
461         "postalCode" : 2351
462     },
463     "phoneNumber" : [
464         {
465             "type" : "home",
466             "number" : 4661632082
467         },
468         {
469             "type" : "fax",
470             "number" : 2899829351
471         }
472     ],
473     "emailAddress" : [
474         "SJames@gmail.com"
475     ]
476 }
477
478 -----
479
480
481 Update with upsert
482
483 > db.Customer.find({firstName:"Vasu"}).pretty().limit(1)
484 >
485 > db.Customer.update({firstName:"Vasu"},{$set:{lastName:"Kalariya"}},{upsert:true})
486 WriteResult({
487     "nMatched" : 0,
488     "nUpserted" : 1,
489     "nModified" : 0,
490     "_id" : ObjectId("60bb5d9af5322caf711ed97f")
491 })
492 >
493 > db.Customer.find({firstName:"Vasu"}).pretty().limit(1)
494 {
495     "_id" : ObjectId("60bb5d9af5322caf711ed97f"),
496     "firstName" : "Vasu",
497     "lastName" : "Kalariya"
498 }
499 >
500 >
501 >
502 >
503 >
504 > db.Customer.remove({firstName:"James"})
505 WriteResult({ "nRemoved" : 2 })
506 >
507 > db.Customer.find({firstName:"James"}).pretty()
508 >
509 >
510 > db.Customer.find({"age":{$gte:22}})
511 { "_id" : ObjectId("60bb5b87d5ec118047011dd5"), "firstName" : "Robert", "lastName" :
"Smith", "age" : 22, "Address" : { "streetAddress" : "1400 Farmington Ave", "city" :
"Bristol", "state" : "CT", "postalCode" : 6010 }, "phoneNumber" : [ { "type" : "home",
"number" : 1761266808 }, { "type" : "fax", "number" : 9841911399 } ], "emailAddress" :
[ "Robert@gamil.com", "SRob@gmail.com" ] }
512 { "_id" : ObjectId("60bb5b87d5ec118047011dd6"), "firstName" : "Maria", "lastName" :
"Garcia", "age" : 22, "Address" : { "streetAddress" : "515 Sawmill Road", "city" :
"West Haven", "state" : "CT", "postalCode" : 6516 }, "phoneNumber" : [ { "type" :
"home", "number" : 8215484894 }, { "type" : "fax", "number" : 6754261777 } ],
"emailAddress" : [ "MariaG@gamil.com", "GMaria@gmail.com" ] }
513 { "_id" : ObjectId("60bb5b87d5ec118047011dd9"), "firstName" : "Mary", "lastName" :

```

```

"Smith", "age" : 22, "Address" : { "streetAddress" : "180 River Rd", "city" : "Lisbon",
"state" : "CT", "postalCode" : 6351 }, "phoneNumber" : [ { "type" : "home", "number" :
9806068527 }, { "type" : "fax", "number" : 3219935317 } ], "emailAddress" : [
514 { "_id" : ObjectId("60bb5b87d5ec118047011ddb"), "firstName" : "Lilly", "lastName" :
"Martinez", "age" : 22, "Address" : { "streetAddress" : "591 Memorial Dr", "city" :
"Chicopee", "state" : "MA", "postalCode" : 1020 }, "phoneNumber" : [ { "type" : "home",
"number" : 1723748378 }, { "type" : "fax", "number" : 3294228998 } ], "emailAddress" :
[ "Lilly@gamil.com", "MLilly@gmail.com", "LillyM@gmail.com" ] }
515 { "_id" : ObjectId("60bb5b87d5ec118047011ddd"), "firstName" : "Kamilah", "lastName" :
"Earhart", "age" : 32, "Address" : { "streetAddress" : "297 Grant Avenue", "city" :
"Auburn", "state" : "NY", "postalCode" : 13021 }, "phoneNumber" : [ { "type" : "home",
"number" : 7360386487 }, { "type" : "fax", "number" : 8330942524 } ], "emailAddress" :
[ "Kamilah@gamil.com", "EKamlish@gmail.com", "KamilahEar@gmail.com" ] }
516 { "_id" : ObjectId("60bb5b87d5ec118047011dde"), "firstName" : "Alise", "lastName" :
"Pickrell", "age" : 29, "Address" : { "streetAddress" : "4133 Veterans Memorial",
"city" : "Batavia", "state" : "NY", "postalCode" : 14020 }, "phoneNumber" : [ { "type"
: "home", "number" : 8564397599 }, { "type" : "fax", "number" : 5426189495 }, { "type"
: "Mobile", "number" : 3314579129 } ], "emailAddress" : [ "AliseP@gamil.com",
"Palise@gmail.com" ] }
517 { "_id" : ObjectId("60bb5b87d5ec118047011ddf"), "firstName" : "Leticia", "lastName" :
"Wrobel", "age" : 33, "Address" : { "streetAddress" : "337 Russell St", "city" :
"Hadley", "state" : "MA", "postalCode" : 1035 }, "phoneNumber" : [ { "type" : "home",
"number" : 1659846658 }, { "type" : "fax", "number" : 3502899930 }, { "type" :
"Mobile", "number" : 8437087134 } ], "emailAddress" : [ "Leticia@gamil.com",
"WLeticia@gmail.com", "WrobelL@gmail.com" ] }
518 { "_id" : ObjectId("60bb5b87d5ec118047011de0"), "firstName" : "Caridad", "lastName" :
"Kendall", "age" : 34, "Address" : { "streetAddress" : "6265 Brockport", "city" :
"Brockport", "state" : "NY", "postalCode" : 14420 }, "phoneNumber" : [ { "type" :
"home", "number" : 8602583403 }, { "type" : "fax", "number" : 4326828684 } ],
"emailAddress" : [ "Caridad@gamil.com", "CaridadK@gmail.com" ] }
519 { "_id" : ObjectId("60bb5b87d5ec118047011de1"), "firstName" : "Michele", "lastName" :
"Gault", "age" : 36, "Address" : { "streetAddress" : "5399 W Genesee St", "city" :
"Camillus", "state" : "NY", "postalCode" : 13031 }, "phoneNumber" : [ { "type" :
"home", "number" : 6125582162 }, { "type" : "fax", "number" : 935992552 }, { "type" :
"Mobile", "number" : 395710776 } ], "emailAddress" : [ "MichaelG@gamil.com",
"GMichele@gmail.com", "GaultM@gmail.com" ] }
520 { "_id" : ObjectId("60bb5b87d5ec118047011de2"), "firstName" : "Azalee", "lastName" :
"Racey", "age" : 31, "Address" : { "streetAddress" : "3191 County rd 10", "city" :
"Canandaigua", "state" : "NY", "postalCode" : 14424 }, "phoneNumber" : [ { "type" :
"home", "number" : 8268801323 }, { "type" : "fax", "number" : 9568588641 }, { "type" :
"Mobile", "number" : 7806366159 } ], "emailAddress" : [ "AzaleeR@gamil.com",
"RAzalee@gmail.com" ] }
521 { "_id" : ObjectId("60bb5b87d5ec118047011de3"), "firstName" : "Kathlyn", "lastName" :
"Hackenberg", "age" : 31, "Address" : { "streetAddress" : "20 Soojian Dr", "city" :
"Leicester", "state" : "MA", "postalCode" : 1524 }, "phoneNumber" : [ { "type" :
"home", "number" : 4131667434 }, { "type" : "fax", "number" : 4051166104 } ],
"emailAddress" : [ "Kathlyn@gamil.com", "HKathlyn@gmail.com" ] }
522 { "_id" : ObjectId("60bb5b87d5ec118047011de4"), "firstName" : "Edie", "lastName" :
"Burstein", "age" : 38, "Address" : { "streetAddress" : "30 Catskill", "city" :
"Catskill", "state" : "NY", "postalCode" : 12414 }, "phoneNumber" : [ { "type" :
"home", "number" : 2601886547 }, { "type" : "fax", "number" : 2999933858 } ],
"emailAddress" : [ "Edie@gamil.com", "BEdie@gmail.com", "BursteinE@gmail.com" ] }
523 { "_id" : ObjectId("60bb5b87d5ec118047011de5"), "firstName" : "Will", "lastName" :
"Strout", "age" : 36, "Address" : { "streetAddress" : "11 Jungle Road", "city" :
"Leominster", "state" : "MA", "postalCode" : 1453 }, "phoneNumber" : [ { "type" :
"home", "number" : 976463661 }, { "type" : "fax", "number" : 8685337904 }, { "type" :
"Mobile", "number" : 9809039510 } ], "emailAddress" : [ "Will@gamil.com",
"SWill@gmail.com" ] }
524 { "_id" : ObjectId("60bb5b87d5ec118047011de6"), "firstName" : "Cesar", "lastName" :
"Bannon", "age" : 34, "Address" : { "streetAddress" : "161 Centereach Mall", "city" :
"Centereach", "state" : "NY", "postalCode" : 11720 }, "phoneNumber" : [ { "type" :
"home", "number" : 8803053048 }, { "type" : "fax", "number" : 8337163141 }, { "type" :
"Mobile", "number" : 9735653616 } ], "emailAddress" : [ "Cesar@gamil.com",
"BCesar@gmail.com" ] }
525 { "_id" : ObjectId("60bb5b87d5ec118047011de7"), "firstName" : "Hanna", "lastName" :
"Voliva", "age" : 30, "Address" : { "streetAddress" : "780 Lynnway", "city" : "Lynn",
"state" : "MA", "postalCode" : 1905 }, "phoneNumber" : [ { "type" : "home", "number" :
4041954879 }, { "type" : "fax", "number" : 2490539545 } ], "emailAddress" : [

```

```

526 "Hanna@gamil.com", "VHanna@gmail.com", "VolivaHanna@gmail.com" ] }
527 { "_id" : ObjectId("60bb5b87d5ec118047011de8"), "firstName" : "Yuonne", "lastName" :
"Gingerich", "age" : 22, "Address" : { "streetAddress" : "3018 East Ave", "city" :
"Central Square", "state" : "NY", "postalCode" : 13036 }, "phoneNumber" : [ { "type" :
"home", "number" : 2990731778 }, { "type" : "fax", "number" : 4631531140 }, { "type" :
"Mobile", "number" : 8829936546 } ], "emailAddress" : [ "Yuonne@gamil.com",
"GYuonne@gmail.com" ] }
528 { "_id" : ObjectId("60bb5b87d5ec118047011de9"), "firstName" : "Jackie", "lastName" :
"Wolfenbarger", "age" : 22, "Address" : { "streetAddress" : "100 Thruway Plaza", "city"
: "Cheektowaga", "state" : "NY", "postalCode" : 14225 }, "phoneNumber" : [ { "type" :
"home", "number" : 6822716568 }, { "type" : "fax", "number" : 7965807774 } ],
"emailAddress" : [ "Jackie@gamil.com", "WJackie@gmail.com" ] }
529
530 -----
531 Use $gt, $gte, $lt
532 > db.Customer.find({"age":{$gt:22}}).pretty()
533 {
534   "_id" : ObjectId("60bb5b87d5ec118047011ddd"),
535   "firstName" : "Kamilah",
536   "lastName" : "Earhart",
537   "age" : 32,
538   "Address" : {
539     "streetAddress" : "297 Grant Avenue",
540     "city" : "Auburn",
541     "state" : "NY",
542     "postalCode" : 13021
543   },
544   "phoneNumber" : [
545     {
546       "type" : "home",
547       "number" : 7360386487
548     },
549     {
550       "type" : "fax",
551       "number" : 8330942524
552     }
553   ],
554   "emailAddress" : [
555     "Kamilah@gamil.com",
556     "EKamlish@gmail.com",
557     "KamilahEar@gmail.com"
558   ]
559 }
560 {
561   "_id" : ObjectId("60bb5b87d5ec118047011dde"),
562   "firstName" : "Alise",
563   "lastName" : "Pickrell",
564   "age" : 29,
565   "Address" : {
566     "streetAddress" : "4133 Veterans Memorial",
567     "city" : "Batavia",
568     "state" : "NY",
569     "postalCode" : 14020
570   },
571   "phoneNumber" : [
572     {
573       "type" : "home",
574       "number" : 8564397599
575     },
576     {
577       "type" : "fax",
578       "number" : 5426189495
579     },
580     {
581       "type" : "Mobile",
582       "number" : 3314579129
583     }
584   ]

```

```

585 ],
586 "emailAddress" : [
587     "AliseP@gamil.com",
588     "PAlise@gmail.com"
589 ]
590 }
591 {
592     "_id" : ObjectId("60bb5b87d5ec118047011ddf"),
593     "firstName" : "Leticia",
594     "lastName" : "Wrobel",
595     "age" : 33,
596     "Address" : {
597         "streetAddress" : "337 Russell St",
598         "city" : "Hadley",
599         "state" : "MA",
600         "postalCode" : 1035
601     },
602     "phoneNumber" : [
603         {
604             "type" : "home",
605             "number" : 1659846658
606         },
607         {
608             "type" : "fax",
609             "number" : 3502899930
610         },
611         {
612             "type" : "Mobile",
613             "number" : 8437087134
614         }
615     ],
616     "emailAddress" : [
617         "Leticia@gamil.com",
618         "WLeticia@gmail.com",
619         "Wrobell@gmail.com"
620     ]
621 }
622 {
623     "_id" : ObjectId("60bb5b87d5ec118047011de0"),
624     "firstName" : "Caridad",
625     "lastName" : "Kendall",
626     "age" : 34,
627     "Address" : {
628         "streetAddress" : "6265 Brockport",
629         "city" : "Brockport",
630         "state" : "NY",
631         "postalCode" : 14420
632     },
633     "phoneNumber" : [
634         {
635             "type" : "home",
636             "number" : 8602583403
637         },
638         {
639             "type" : "fax",
640             "number" : 4326828684
641         }
642     ],
643     "emailAddress" : [
644         "Caridad@gamil.com",
645         "CaridadK@gmail.com"
646     ]
647 }
648 {
649     "_id" : ObjectId("60bb5b87d5ec118047011de1"),
650     "firstName" : "Michele",
651     "lastName" : "Gault",
652     "age" : 36,
653     "Address" : {

```

```

654         "streetAddress" : "5399 W Genesee St",
655         "city" : "Camillus",
656         "state" : "NY",
657         "postalCode" : 13031
658     },
659     "phoneNumber" : [
660         {
661             "type" : "home",
662             "number" : 6125582162
663         },
664         {
665             "type" : "fax",
666             "number" : 935992552
667         },
668         {
669             "type" : "Mobile",
670             "number" : 395710776
671         }
672     ],
673     "emailAddress" : [
674         "MichaelG@gamil.com",
675         "GMichele@gmail.com",
676         "GaultM@gmail.com"
677     ]
678 }
679 {
680     "_id" : ObjectId("60bb5b87d5ec118047011de2"),
681     "firstName" : "Azalee",
682     "lastName" : "Racey",
683     "age" : 31,
684     "Address" : {
685         "streetAddress" : "3191 County rd 10",
686         "city" : "Canandaigua",
687         "state" : "NY",
688         "postalCode" : 14424
689     },
690     "phoneNumber" : [
691         {
692             "type" : "home",
693             "number" : 8268801323
694         },
695         {
696             "type" : "fax",
697             "number" : 9568588641
698         },
699         {
700             "type" : "Mobile",
701             "number" : 7806366159
702         }
703     ],
704     "emailAddress" : [
705         "AzaleeR@gamil.com",
706         "RAzalee@gmail.com"
707     ]
708 }
709 {
710     "_id" : ObjectId("60bb5b87d5ec118047011de3"),
711     "firstName" : "Kathlyn",
712     "lastName" : "Hackenberg",
713     "age" : 31,
714     "Address" : {
715         "streetAddress" : "20 Soojian Dr",
716         "city" : "Leicester",
717         "state" : "MA",
718         "postalCode" : 1524
719     },
720     "phoneNumber" : [
721         {
722             "type" : "home",

```



```

723         "number" : 4131667434
724     },
725     {
726         "type" : "fax",
727         "number" : 4051166104
728     }
729 ],
730 "emailAddress" : [
731     "Kathlyn@gamil.com",
732     "HKathlyn@gmail.com"
733 ]
734 }
735 {
736     "_id" : ObjectId("60bb5b87d5ec118047011de4"),
737     "firstName" : "Edie",
738     "lastName" : "Burststein",
739     "age" : 38,
740     "Address" : {
741         "streetAddress" : "30 Catskill",
742         "city" : "Catskill",
743         "state" : "NY",
744         "postalCode" : 12414
745     },
746     "phoneNumber" : [
747         {
748             "type" : "home",
749             "number" : 2601886547
750         },
751         {
752             "type" : "fax",
753             "number" : 2999933858
754         }
755     ],
756     "emailAddress" : [
757         "Edie@gamil.com",
758         "BEdie@gmail.com",
759         "BurststeinE@gmail.com"
760     ]
761 }
762 {
763     "_id" : ObjectId("60bb5b87d5ec118047011de5"),
764     "firstName" : "Will",
765     "lastName" : "Strout",
766     "age" : 36,
767     "Address" : {
768         "streetAddress" : "11 Jungle Road",
769         "city" : "Leominster",
770         "state" : "MA",
771         "postalCode" : 1453
772     },
773     "phoneNumber" : [
774         {
775             "type" : "home",
776             "number" : 976463661
777         },
778         {
779             "type" : "fax",
780             "number" : 8685337904
781         },
782         {
783             "type" : "Mobile",
784             "number" : 9809039510
785         }
786     ],
787     "emailAddress" : [
788         "Will@gamil.com",
789         "SWill@gmail.com"
790     ]
791 }

```

```

792 {
793     "_id" : ObjectId("60bb5b87d5ec118047011de6"),
794     "firstName" : "Cesar",
795     "lastName" : "Bannon",
796     "age" : 34,
797     "Address" : {
798         "streetAddress" : "161 Centereach Mall",
799         "city" : "Centereach",
800         "state" : "NY",
801         "postalCode" : 11720
802     },
803     "phoneNumber" : [
804         {
805             "type" : "home",
806             "number" : 8803053048
807         },
808         {
809             "type" : "fax",
810             "number" : 8337163141
811         },
812         {
813             "type" : "Mobile",
814             "number" : 9735653616
815         }
816     ],
817     "emailAddress" : [
818         "Cesar@gamil.com",
819         "BCesar@gmail.com"
820     ]
821 }
822 {
823     "_id" : ObjectId("60bb5b87d5ec118047011de7"),
824     "firstName" : "Hanna",
825     "lastName" : "Voliva",
826     "age" : 30,
827     "Address" : {
828         "streetAddress" : "780 Lynnway",
829         "city" : "Lynn",
830         "state" : "MA",
831         "postalCode" : 1905
832     },
833     "phoneNumber" : [
834         {
835             "type" : "home",
836             "number" : 4041954879
837         },
838         {
839             "type" : "fax",
840             "number" : 2490539545
841         }
842     ],
843     "emailAddress" : [
844         "Hanna@gamil.com",
845         "VHanna@gmail.com",
846         "VolivaHanna@gmail.com"
847     ]
848 }
849 >
850 >
851 >
852 >
853 >
854 >
855 > db.Customer.find({"age":{$lt:22}}).pretty()
856 {
857     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),
858     "firstName" : "Michael",
859     "lastName" : "Smith",
860     "age" : 21,

```

```

861     "Address" : {
862         "streetAddress" : "279 Troy Road",
863         "city" : "East Greenbush",
864         "state" : "NY",
865         "postalCode" : 12061
866     },
867     "phoneNumber" : [
868         {
869             "type" : "home",
870             "number" : 9808191199
871         },
872         {
873             "type" : "fax",
874             "number" : 7797374941
875         }
876     ],
877     "emailAddress" : [
878         "MichS@gamil.com",
879         "SMich@gmail.com"
880     ]
881 }
882 {
883     "_id" : ObjectId("60bb5b87d5ec118047011dd7"),
884     "firstName" : "David",
885     "lastName" : "Smith",
886     "age" : 21,
887     "Address" : {
888         "streetAddress" : "30 Memorial Drive",
889         "city" : "Avon",
890         "state" : "MA",
891         "postalCode" : 2322
892     },
893     "phoneNumber" : [
894         {
895             "type" : "home",
896             "number" : 1508518145
897         },
898         {
899             "type" : "fax",
900             "number" : 6778131732
901         }
902     ],
903     "emailAddress" : [
904         "David@gamil.com",
905         "SDavid@gmail.com"
906     ]
907 }
908 {
909     "_id" : ObjectId("60bb5b87d5ec118047011dd8"),
910     "firstName" : "Maria",
911     "lastName" : "Rodriguez",
912     "age" : 20,
913     "Address" : {
914         "streetAddress" : "100 Thruway Plaza",
915         "city" : "Cheektowaga",
916         "state" : "NY",
917         "postalCode" : 14225
918     },
919     "phoneNumber" : [
920         {
921             "type" : "home",
922             "number" : 2870577148
923         },
924         {
925             "type" : "fax",
926             "number" : 1700918899
927         }
928     ],
929     "emailAddress" : [

```

```

930         "MariaR@gamil.com",
931         "RMaria@gmail.com"
932     ]
933 }
934 {
935     "_id" : ObjectId("60bb5b87d5ec118047011dda"),
936     "firstName" : "Maria",
937     "lastName" : "Hernandez",
938     "age" : 21,
939     "Address" : {
940         "state" : "CT",
941         "Pincode" : 4123
942     },
943     "phoneNumber" : [
944         {
945             "type" : "home",
946             "number" : 7655200366
947         },
948         {
949             "type" : "fax",
950             "number" : 481572451
951         }
952     ],
953     "emailAddress" : [
954         "MariaH@gamil.com",
955         "HMaria@gmail.com"
956     ]
957 }

```

```

960 -----

```

```

961
962 Record starting with N
963 > db.Customer.find({"Address.state":{"regex:/^N/}}).pretty()
964 {
965     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),
966     "firstName" : "Michael",
967     "lastName" : "Smith",
968     "age" : 21,
969     "Address" : {
970         "streetAddress" : "279 Troy Road",
971         "city" : "East Greenbush",
972         "state" : "NY",
973         "postalCode" : 12061
974     },
975     "phoneNumber" : [
976         {
977             "type" : "home",
978             "number" : 9808191199
979         },
980         {
981             "type" : "fax",
982             "number" : 7797374941
983         }
984     ],
985     "emailAddress" : [
986         "MichS@gamil.com",
987         "SMich@gmail.com"
988     ]
989 }
990 {
991     "_id" : ObjectId("60bb5b87d5ec118047011dd8"),
992     "firstName" : "Maria",
993     "lastName" : "Rodriguez",
994     "age" : 20,
995     "Address" : {
996         "streetAddress" : "100 Thruway Plaza",
997         "city" : "Cheektowaga",
998         "state" : "NY",

```

```

999         "postalCode" : 14225
1000     },
1001     "phoneNumber" : [
1002         {
1003             "type" : "home",
1004             "number" : 2870577148
1005         },
1006         {
1007             "type" : "fax",
1008             "number" : 1700918899
1009         }
1010     ],
1011     "emailAddress" : [
1012         "MariaR@gamil.com",
1013         "RMaria@gmail.com"
1014     ]
1015 }
1016 {
1017     "_id" : ObjectId("60bb5b87d5ec118047011ddd"),
1018     "firstName" : "Kamilah",
1019     "lastName" : "Earhart",
1020     "age" : 32,
1021     "Address" : {
1022         "streetAddress" : "297 Grant Avenue",
1023         "city" : "Auburn",
1024         "state" : "NY",
1025         "postalCode" : 13021
1026     },
1027     "phoneNumber" : [
1028         {
1029             "type" : "home",
1030             "number" : 7360386487
1031         },
1032         {
1033             "type" : "fax",
1034             "number" : 8330942524
1035         }
1036     ],
1037     "emailAddress" : [
1038         "Kamilah@gamil.com",
1039         "EKamlish@gmail.com",
1040         "KamilahEar@gmail,com"
1041     ]
1042 }
1043 {
1044     "_id" : ObjectId("60bb5b87d5ec118047011dde"),
1045     "firstName" : "Alise",
1046     "lastName" : "Pickrell",
1047     "age" : 29,
1048     "Address" : {
1049         "streetAddress" : "4133 Veterans Memorial",
1050         "city" : "Batavia",
1051         "state" : "NY",
1052         "postalCode" : 14020
1053     },
1054     "phoneNumber" : [
1055         {
1056             "type" : "home",
1057             "number" : 8564397599
1058         },
1059         {
1060             "type" : "fax",
1061             "number" : 5426189495
1062         },
1063         {
1064             "type" : "Mobile",
1065             "number" : 3314579129
1066         }
1067     ],

```

```

1068     "emailAddress" : [
1069         "AliseP@gamil.com",
1070         "PAlise@gmail.com"
1071     ]
1072 }
1073 {
1074     "_id" : ObjectId("60bb5b87d5ec118047011de0"),
1075     "firstName" : "Caridad",
1076     "lastName" : "Kendall",
1077     "age" : 34,
1078     "Address" : {
1079         "streetAddress" : "6265 Brockport",
1080         "city" : "Brockport",
1081         "state" : "NY",
1082         "postalCode" : 14420
1083     },
1084     "phoneNumber" : [
1085         {
1086             "type" : "home",
1087             "number" : 8602583403
1088         },
1089         {
1090             "type" : "fax",
1091             "number" : 4326828684
1092         }
1093     ],
1094     "emailAddress" : [
1095         "Caridad@gamil.com",
1096         "CaridadK@gmail.com"
1097     ]
1098 }
1099 {
1100     "_id" : ObjectId("60bb5b87d5ec118047011de1"),
1101     "firstName" : "Michele",
1102     "lastName" : "Gault",
1103     "age" : 36,
1104     "Address" : {
1105         "streetAddress" : "5399 W Genessee St",
1106         "city" : "Camillus",
1107         "state" : "NY",
1108         "postalCode" : 13031
1109     },
1110     "phoneNumber" : [
1111         {
1112             "type" : "home",
1113             "number" : 6125582162
1114         },
1115         {
1116             "type" : "fax",
1117             "number" : 935992552
1118         },
1119         {
1120             "type" : "Mobile",
1121             "number" : 395710776
1122         }
1123     ],
1124     "emailAddress" : [
1125         "MichaelG@gamil.com",
1126         "GMichele@gmail.com",
1127         "GaultM@gmail,com"
1128     ]
1129 }
1130 {
1131     "_id" : ObjectId("60bb5b87d5ec118047011de2"),
1132     "firstName" : "Azalee",
1133     "lastName" : "Racey",
1134     "age" : 31,
1135     "Address" : {
1136         "streetAddress" : "3191 County rd 10",

```

```

1137         "city" : "Canandaigua",
1138         "state" : "NY",
1139         "postalCode" : 14424
1140     },
1141     "phoneNumber" : [
1142         {
1143             "type" : "home",
1144             "number" : 8268801323
1145         },
1146         {
1147             "type" : "fax",
1148             "number" : 9568588641
1149         },
1150         {
1151             "type" : "Mobile",
1152             "number" : 7806366159
1153         }
1154     ],
1155     "emailAddress" : [
1156         "AzaleeR@gamil.com",
1157         "RAzalee@gmail.com"
1158     ]
1159 }
1160 {
1161     "_id" : ObjectId("60bb5b87d5ec118047011de4"),
1162     "firstName" : "Edie",
1163     "lastName" : "Burststein",
1164     "age" : 38,
1165     "Address" : {
1166         "streetAddress" : "30 Catskill",
1167         "city" : "Catskill",
1168         "state" : "NY",
1169         "postalCode" : 12414
1170     },
1171     "phoneNumber" : [
1172         {
1173             "type" : "home",
1174             "number" : 2601886547
1175         },
1176         {
1177             "type" : "fax",
1178             "number" : 2999933858
1179         }
1180     ],
1181     "emailAddress" : [
1182         "Edie@gamil.com",
1183         "BEdie@gmail.com",
1184         "BurststeinE@gmail.com"
1185     ]
1186 }
1187 {
1188     "_id" : ObjectId("60bb5b87d5ec118047011de6"),
1189     "firstName" : "Cesar",
1190     "lastName" : "Bannon",
1191     "age" : 34,
1192     "Address" : {
1193         "streetAddress" : "161 Centereach Mall",
1194         "city" : "Centereach",
1195         "state" : "NY",
1196         "postalCode" : 11720
1197     },
1198     "phoneNumber" : [
1199         {
1200             "type" : "home",
1201             "number" : 8803053048
1202         },
1203         {
1204             "type" : "fax",
1205             "number" : 8337163141

```

```

1206         },
1207         {
1208             "type" : "Mobile",
1209             "number" : 9735653616
1210         }
1211     ],
1212     "emailAddress" : [
1213         "Cesar@gamil.com",
1214         "BCesar@gmail.com"
1215     ]
1216 }
1217 {
1218     "_id" : ObjectId("60bb5b87d5ec118047011de8"),
1219     "firstName" : "Yvonne",
1220     "lastName" : "Gingerich",
1221     "age" : 22,
1222     "Address" : {
1223         "streetAddress" : "3018 East Ave",
1224         "city" : "Central Square",
1225         "state" : "NY",
1226         "postalCode" : 13036
1227     },
1228     "phoneNumber" : [
1229         {
1230             "type" : "home",
1231             "number" : 2990731778
1232         },
1233         {
1234             "type" : "fax",
1235             "number" : 4631531140
1236         },
1237         {
1238             "type" : "Mobile",
1239             "number" : 8829936546
1240         }
1241     ],
1242     "emailAddress" : [
1243         "Yvonne@gamil.com",
1244         "GYvonne@gmail.com"
1245     ]
1246 }
1247 {
1248     "_id" : ObjectId("60bb5b87d5ec118047011de9"),
1249     "firstName" : "Jackie",
1250     "lastName" : "Wolfenbarger",
1251     "age" : 22,
1252     "Address" : {
1253         "streetAddress" : "100 Thruway Plaza",
1254         "city" : "Cheektowaga",
1255         "state" : "NY",
1256         "postalCode" : 14225
1257     },
1258     "phoneNumber" : [
1259         {
1260             "type" : "home",
1261             "number" : 6822716568
1262         },
1263         {
1264             "type" : "fax",
1265             "number" : 7965807774
1266         }
1267     ],
1268     "emailAddress" : [
1269         "Jackie@gamil.com",
1270         "WJackie@gmail.com"
1271     ]
1272 }
1273 >
1274 >

```



```

1275 >
1276 >
1277 >
1278 > db.Customer.find({age:{$gt:21}}).pretty()
1279 {
1280     "_id" : ObjectId("60bb5b87d5ec118047011dd5"),
1281     "firstName" : "Robert",
1282     "lastName" : "Smith",
1283     "age" : 22,
1284     "Address" : {
1285         "streetAddress" : "1400 Farmington Ave",
1286         "city" : "Bristol",
1287         "state" : "CT",
1288         "postalCode" : 6010
1289     },
1290     "phoneNumber" : [
1291         {
1292             "type" : "home",
1293             "number" : 1761266808
1294         },
1295         {
1296             "type" : "fax",
1297             "number" : 9841911399
1298         }
1299     ],
1300     "emailAddress" : [
1301         "Robert@gamil.com",
1302         "SRob@gmail.com"
1303     ]
1304 }
1305 {
1306     "_id" : ObjectId("60bb5b87d5ec118047011dd6"),
1307     "firstName" : "Maria",
1308     "lastName" : "Garcia",
1309     "age" : 22,
1310     "Address" : {
1311         "streetAddress" : "515 Sawmill Road",
1312         "city" : "West Haven",
1313         "state" : "CT",
1314         "postalCode" : 6516
1315     },
1316     "phoneNumber" : [
1317         {
1318             "type" : "home",
1319             "number" : 8215484894
1320         },
1321         {
1322             "type" : "fax",
1323             "number" : 6754261777
1324         }
1325     ],
1326     "emailAddress" : [
1327         "MariaG@gamil.com",
1328         "GMaria@gmail.com"
1329     ]
1330 }
1331 {
1332     "_id" : ObjectId("60bb5b87d5ec118047011dd9"),
1333     "firstName" : "Mary",
1334     "lastName" : "Smith",
1335     "age" : 22,
1336     "Address" : {
1337         "streetAddress" : "180 River Rd",
1338         "city" : "Lisbon",
1339         "state" : "CT",
1340         "postalCode" : 6351
1341     },
1342     "phoneNumber" : [
1343         {

```

```

1344         "type" : "home",
1345         "number" : 9806068527
1346     },
1347     {
1348         "type" : "fax",
1349         "number" : 3219935317
1350     }
1351 ],
1352 "emailAddress" : [
1353     "Mary@gamil.com",
1354     "SMary@gmail.com"
1355 ]
1356 }
1357 {
1358     "_id" : ObjectId("60bb5b87d5ec118047011ddb"),
1359     "firstName" : "Lilly",
1360     "lastName" : "Martinez",
1361     "age" : 22,
1362     "Address" : {
1363         "streetAddress" : "591 Memorial Dr",
1364         "city" : "Chicopee",
1365         "state" : "MA",
1366         "postalCode" : 1020
1367     },
1368     "phoneNumber" : [
1369         {
1370             "type" : "home",
1371             "number" : 1723748378
1372         },
1373         {
1374             "type" : "fax",
1375             "number" : 3294228998
1376         }
1377     ],
1378     "emailAddress" : [
1379         "Lilly@gamil.com",
1380         "MLilly@gmail.com",
1381         "LillyM@gmail.com"
1382     ]
1383 }
1384 {
1385     "_id" : ObjectId("60bb5b87d5ec118047011ddd"),
1386     "firstName" : "Kamilah",
1387     "lastName" : "Earhart",
1388     "age" : 32,
1389     "Address" : {
1390         "streetAddress" : "297 Grant Avenue",
1391         "city" : "Auburn",
1392         "state" : "NY",
1393         "postalCode" : 13021
1394     },
1395     "phoneNumber" : [
1396         {
1397             "type" : "home",
1398             "number" : 7360386487
1399         },
1400         {
1401             "type" : "fax",
1402             "number" : 8330942524
1403         }
1404     ],
1405     "emailAddress" : [
1406         "Kamilah@gamil.com",
1407         "EKamlish@gmail.com",
1408         "KamilahEar@gmail.com"
1409     ]
1410 }
1411 {
1412     "_id" : ObjectId("60bb5b87d5ec118047011dde"),

```

```

1413     "firstName" : "Alise",
1414     "lastName" : "Pickrell",
1415     "age" : 29,
1416     "Address" : {
1417         "streetAddress" : "4133 Veterans Memorial",
1418         "city" : "Batavia",
1419         "state" : "NY",
1420         "postalCode" : 14020
1421     },
1422     "phoneNumber" : [
1423         {
1424             "type" : "home",
1425             "number" : 8564397599
1426         },
1427         {
1428             "type" : "fax",
1429             "number" : 5426189495
1430         },
1431         {
1432             "type" : "Mobile",
1433             "number" : 3314579129
1434         }
1435     ],
1436     "emailAddress" : [
1437         "AliseP@gamil.com",
1438         "PAlise@gmail.com"
1439     ]
1440 }
1441 {
1442     "_id" : ObjectId("60bb5b87d5ec118047011ddf"),
1443     "firstName" : "Leticia",
1444     "lastName" : "Wrobel",
1445     "age" : 33,
1446     "Address" : {
1447         "streetAddress" : "337 Russell St",
1448         "city" : "Hadley",
1449         "state" : "MA",
1450         "postalCode" : 1035
1451     },
1452     "phoneNumber" : [
1453         {
1454             "type" : "home",
1455             "number" : 1659846658
1456         },
1457         {
1458             "type" : "fax",
1459             "number" : 3502899930
1460         },
1461         {
1462             "type" : "Mobile",
1463             "number" : 8437087134
1464         }
1465     ],
1466     "emailAddress" : [
1467         "Leticia@gamil.com",
1468         "WLeticia@gmail.com",
1469         "WrobelL@gmail,com"
1470     ]
1471 }
1472 {
1473     "_id" : ObjectId("60bb5b87d5ec118047011de0"),
1474     "firstName" : "Caridad",
1475     "lastName" : "Kendall",
1476     "age" : 34,
1477     "Address" : {
1478         "streetAddress" : "6265 Brockport",
1479         "city" : "Brockport",
1480         "state" : "NY",
1481         "postalCode" : 14420

```

```

1482     },
1483     "phoneNumber" : [
1484         {
1485             "type" : "home",
1486             "number" : 8602583403
1487         },
1488         {
1489             "type" : "fax",
1490             "number" : 4326828684
1491         }
1492     ],
1493     "emailAddress" : [
1494         "Caridad@gamil.com",
1495         "CaridadK@gmail.com"
1496     ]
1497 }
1498 {
1499     "_id" : ObjectId("60bb5b87d5ec118047011de1"),
1500     "firstName" : "Michele",
1501     "lastName" : "Gault",
1502     "age" : 36,
1503     "Address" : {
1504         "streetAddress" : "5399 W Genessee St",
1505         "city" : "Camillus",
1506         "state" : "NY",
1507         "postalCode" : 13031
1508     },
1509     "phoneNumber" : [
1510         {
1511             "type" : "home",
1512             "number" : 6125582162
1513         },
1514         {
1515             "type" : "fax",
1516             "number" : 935992552
1517         },
1518         {
1519             "type" : "Mobile",
1520             "number" : 395710776
1521         }
1522     ],
1523     "emailAddress" : [
1524         "MichaelG@gamil.com",
1525         "GMichele@gmail.com",
1526         "GaultM@gmail,com"
1527     ]
1528 }
1529 {
1530     "_id" : ObjectId("60bb5b87d5ec118047011de2"),
1531     "firstName" : "Azalee",
1532     "lastName" : "Racey",
1533     "age" : 31,
1534     "Address" : {
1535         "streetAddress" : "3191 County rd 10",
1536         "city" : "Canandaigua",
1537         "state" : "NY",
1538         "postalCode" : 14424
1539     },
1540     "phoneNumber" : [
1541         {
1542             "type" : "home",
1543             "number" : 8268801323
1544         },
1545         {
1546             "type" : "fax",
1547             "number" : 9568588641
1548         },
1549         {
1550             "type" : "Mobile",

```

```

1551         "number" : 7806366159
1552     }
1553 ],
1554 "emailAddress" : [
1555     "AzaleeR@gamil.com",
1556     "RAzalee@gmail.com"
1557 ]
1558 }
1559 {
1560     "_id" : ObjectId("60bb5b87d5ec118047011de3"),
1561     "_firstName" : "Kathlyn",
1562     "lastName" : "Hackenberg",
1563     "age" : 31,
1564     "Address" : {
1565         "streetAddress" : "20 Soojian Dr",
1566         "city" : "Leicester",
1567         "state" : "MA",
1568         "postalCode" : 1524
1569     },
1570     "phoneNumber" : [
1571         {
1572             "type" : "home",
1573             "number" : 4131667434
1574         },
1575         {
1576             "type" : "fax",
1577             "number" : 4051166104
1578         }
1579     ],
1580     "emailAddress" : [
1581         "Kathlyn@gamil.com",
1582         "HKathlyn@gmail.com"
1583     ]
1584 }
1585 {
1586     "_id" : ObjectId("60bb5b87d5ec118047011de4"),
1587     "_firstName" : "Edie",
1588     "lastName" : "Burststein",
1589     "age" : 38,
1590     "Address" : {
1591         "streetAddress" : "30 Catskill",
1592         "city" : "Catskill",
1593         "state" : "NY",
1594         "postalCode" : 12414
1595     },
1596     "phoneNumber" : [
1597         {
1598             "type" : "home",
1599             "number" : 2601886547
1600         },
1601         {
1602             "type" : "fax",
1603             "number" : 2999933858
1604         }
1605     ],
1606     "emailAddress" : [
1607         "Edie@gamil.com",
1608         "BEdie@gmail.com",
1609         "BurststeinE@gmail,com"
1610     ]
1611 }
1612 {
1613     "_id" : ObjectId("60bb5b87d5ec118047011de5"),
1614     "_firstName" : "Will",
1615     "lastName" : "Strout",
1616     "age" : 36,
1617     "Address" : {
1618         "streetAddress" : "11 Jungle Road",
1619         "city" : "Leominster",

```

```

1620         "state" : "MA",
1621         "postalCode" : 1453
1622     },
1623     "phoneNumber" : [
1624         {
1625             "type" : "home",
1626             "number" : 976463661
1627         },
1628         {
1629             "type" : "fax",
1630             "number" : 8685337904
1631         },
1632         {
1633             "type" : "Mobile",
1634             "number" : 9809039510
1635         }
1636     ],
1637     "emailAddress" : [
1638         "Will@gamil.com",
1639         "SWill@gmail.com"
1640     ]
1641 }
1642 {
1643     "_id" : ObjectId("60bb5b87d5ec118047011de6"),
1644     "firstName" : "Cesar",
1645     "lastName" : "Bannon",
1646     "age" : 34,
1647     "Address" : {
1648         "streetAddress" : "161 Centereach Mall",
1649         "city" : "Centereach",
1650         "state" : "NY",
1651         "postalCode" : 11720
1652     },
1653     "phoneNumber" : [
1654         {
1655             "type" : "home",
1656             "number" : 8803053048
1657         },
1658         {
1659             "type" : "fax",
1660             "number" : 8337163141
1661         },
1662         {
1663             "type" : "Mobile",
1664             "number" : 9735653616
1665         }
1666     ],
1667     "emailAddress" : [
1668         "Cesar@gamil.com",
1669         "BCesar@gmail.com"
1670     ]
1671 }
1672 {
1673     "_id" : ObjectId("60bb5b87d5ec118047011de7"),
1674     "firstName" : "Hanna",
1675     "lastName" : "Voliva",
1676     "age" : 30,
1677     "Address" : {
1678         "streetAddress" : "780 Lynnway",
1679         "city" : "Lynn",
1680         "state" : "MA",
1681         "postalCode" : 1905
1682     },
1683     "phoneNumber" : [
1684         {
1685             "type" : "home",
1686             "number" : 4041954879
1687         },
1688         {

```

```

1689         "type" : "fax",
1690         "number" : 2490539545
1691     }
1692 ],
1693 "emailAddress" : [
1694     "Hanna@gamil.com",
1695     "VHanna@gmail.com",
1696     "VolivaHanna@gmail,com"
1697 ]
1698 }
1699 {
1700     "_id" : ObjectId("60bb5b87d5ec118047011de8"),
1701     "firstName" : "Yuonne",
1702     "lastName" : "Gingerich",
1703     "age" : 22,
1704     "Address" : {
1705         "streetAddress" : "3018 East Ave",
1706         "city" : "Central Square",
1707         "state" : "NY",
1708         "postalCode" : 13036
1709     },
1710     "phoneNumber" : [
1711         {
1712             "type" : "home",
1713             "number" : 2990731778
1714         },
1715         {
1716             "type" : "fax",
1717             "number" : 4631531140
1718         },
1719         {
1720             "type" : "Mobile",
1721             "number" : 8829936546
1722         }
1723     ],
1724     "emailAddress" : [
1725         "Yuonne@gamil.com",
1726         "GYuonne@gmail.com"
1727     ]
1728 }
1729 {
1730     "_id" : ObjectId("60bb5b87d5ec118047011de9"),
1731     "firstName" : "Jackie",
1732     "lastName" : "Wolfenbarger",
1733     "age" : 22,
1734     "Address" : {
1735         "streetAddress" : "100 Thruway Plaza",
1736         "city" : "Cheektowaga",
1737         "state" : "NY",
1738         "postalCode" : 14225
1739     },
1740     "phoneNumber" : [
1741         {
1742             "type" : "home",
1743             "number" : 6822716568
1744         },
1745         {
1746             "type" : "fax",
1747             "number" : 7965807774
1748         }
1749     ],
1750     "emailAddress" : [
1751         "Jackie@gamil.com",
1752         "WJackie@gmail.com"
1753     ]
1754 }
1755 >
1756 >
1757 >

```

```

1758 >
1759 >
1760 >
1761 > db.Customer.find({"firstName":{"regex:/^M/}}).pretty()
1762 {
1763     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),
1764     "firstName" : "Michael",
1765     "lastName" : "Smith",
1766     "age" : 21,
1767     "Address" : {
1768         "streetAddress" : "279 Troy Road",
1769         "city" : "East Greenbush",
1770         "state" : "NY",
1771         "postalCode" : 12061
1772     },
1773     "phoneNumber" : [
1774         {
1775             "type" : "home",
1776             "number" : 9808191199
1777         },
1778         {
1779             "type" : "fax",
1780             "number" : 7797374941
1781         }
1782     ],
1783     "emailAddress" : [
1784         "MichS@gamil.com",
1785         "SMich@gmail.com"
1786     ]
1787 }
1788 {
1789     "_id" : ObjectId("60bb5b87d5ec118047011dd6"),
1790     "firstName" : "Maria",
1791     "lastName" : "Garcia",
1792     "age" : 22,
1793     "Address" : {
1794         "streetAddress" : "515 Sawmill Road",
1795         "city" : "West Haven",
1796         "state" : "CT",
1797         "postalCode" : 6516
1798     },
1799     "phoneNumber" : [
1800         {
1801             "type" : "home",
1802             "number" : 8215484894
1803         },
1804         {
1805             "type" : "fax",
1806             "number" : 6754261777
1807         }
1808     ],
1809     "emailAddress" : [
1810         "MariaG@gamil.com",
1811         "GMaria@gmail.com"
1812     ]
1813 }
1814 {
1815     "_id" : ObjectId("60bb5b87d5ec118047011dd8"),
1816     "firstName" : "Maria",
1817     "lastName" : "Rodriguez",
1818     "age" : 20,
1819     "Address" : {
1820         "streetAddress" : "100 Thruway Plaza",
1821         "city" : "Cheektowaga",
1822         "state" : "NY",
1823         "postalCode" : 14225
1824     },
1825     "phoneNumber" : [
1826         {

```



```

1827         "type" : "home",
1828         "number" : 2870577148
1829     },
1830     {
1831         "type" : "fax",
1832         "number" : 1700918899
1833     }
1834 ],
1835 "emailAddress" : [
1836     "MariaR@gamil.com",
1837     "RMaria@gmail.com"
1838 ]
1839 }
1840 {
1841     "_id" : ObjectId("60bb5b87d5ec118047011dd9"),
1842     "firstName" : "Mary",
1843     "lastName" : "Smith",
1844     "age" : 22,
1845     "Address" : {
1846         "streetAddress" : "180 River Rd",
1847         "city" : "Lisbon",
1848         "state" : "CT",
1849         "postalCode" : 6351
1850     },
1851     "phoneNumber" : [
1852         {
1853             "type" : "home",
1854             "number" : 9806068527
1855         },
1856         {
1857             "type" : "fax",
1858             "number" : 3219935317
1859         }
1860     ],
1861     "emailAddress" : [
1862         "Mary@gamil.com",
1863         "SMary@gmail.com"
1864     ]
1865 }
1866 {
1867     "_id" : ObjectId("60bb5b87d5ec118047011dda"),
1868     "firstName" : "Maria",
1869     "lastName" : "Hernandez",
1870     "age" : 21,
1871     "Address" : {
1872         "state" : "CT",
1873         "Pincode" : 4123
1874     },
1875     "phoneNumber" : [
1876         {
1877             "type" : "home",
1878             "number" : 7655200366
1879         },
1880         {
1881             "type" : "fax",
1882             "number" : 481572451
1883         }
1884     ],
1885     "emailAddress" : [
1886         "MariaH@gamil.com",
1887         "HMaria@gmail.com"
1888     ]
1889 }
1890 {
1891     "_id" : ObjectId("60bb5b87d5ec118047011de1"),
1892     "firstName" : "Michele",
1893     "lastName" : "Gault",
1894     "age" : 36,
1895     "Address" : {

```

```

1896         "streetAddress" : "5399 W Genesee St",
1897         "city" : "Camillus",
1898         "state" : "NY",
1899         "postalCode" : 13031
1900     },
1901     "phoneNumber" : [
1902         {
1903             "type" : "home",
1904             "number" : 6125582162
1905         },
1906         {
1907             "type" : "fax",
1908             "number" : 935992552
1909         },
1910         {
1911             "type" : "Mobile",
1912             "number" : 395710776
1913         }
1914     ],
1915     "emailAddress" : [
1916         "MichaelG@gamil.com",
1917         "GMichele@gmail.com",
1918         "GaultM@gmail.com"
1919     ]
1920 }
1921 >
1922
1923
1924
1925 -----
1926 Total number od Doc
1927 > db.Customer.count()
1928 22
1929
1930
1931 -----
1932 Display only name
1933 > db.Customer.find({}, {_id:0,firstName:1,lastName:1}).pretty()
1934 { "firstName" : "Michael", "lastName" : "Smith" }
1935 { "firstName" : "Robert", "lastName" : "Smith" }
1936 { "firstName" : "Maria", "lastName" : "Garcia" }
1937 { "firstName" : "David", "lastName" : "Smith" }
1938 { "firstName" : "Maria", "lastName" : "Rodriguez" }
1939 { "firstName" : "Mary", "lastName" : "Smith" }
1940 { "firstName" : "Maria", "lastName" : "Hernandez" }
1941 { "firstName" : "Lilly", "lastName" : "Martinez" }
1942 { "firstName" : "Kamilah", "lastName" : "Earhart" }
1943 { "firstName" : "Alise", "lastName" : "Pickrell" }
1944 { "firstName" : "Leticia", "lastName" : "Wrobel" }
1945 { "firstName" : "Caridad", "lastName" : "Kendall" }
1946 { "firstName" : "Michele", "lastName" : "Gault" }
1947 { "firstName" : "Azalee", "lastName" : "Racey" }
1948 { "firstName" : "Kathlyn", "lastName" : "Hackenberg" }
1949 { "firstName" : "Edie", "lastName" : "Burststein" }
1950 { "firstName" : "Will", "lastName" : "Strout" }
1951 { "firstName" : "Cesar", "lastName" : "Bannon" }
1952 { "firstName" : "Hanna", "lastName" : "Voliva" }
1953 { "firstName" : "Yvonne", "lastName" : "Gingerich" }
1954 Type "it" for more
1955
1956
1957
1958 -----
1959 Sorting Doc in descending
1960 > db.Customer.find().sort({firstName:-1}).pretty()
1961 {
1962     "_id" : ObjectId("60bb5b87d5ec118047011de8"),
1963     "firstName" : "Yvonne",
1964     "lastName" : "Gingerich",

```

```

1965     "age" : 22,
1966     "Address" : {
1967         "streetAddress" : "3018 East Ave",
1968         "city" : "Central Square",
1969         "state" : "NY",
1970         "postalCode" : 13036
1971     },
1972     "phoneNumber" : [
1973         {
1974             "type" : "home",
1975             "number" : 2990731778
1976         },
1977         {
1978             "type" : "fax",
1979             "number" : 4631531140
1980         },
1981         {
1982             "type" : "Mobile",
1983             "number" : 8829936546
1984         }
1985     ],
1986     "emailAddress" : [
1987         "Yuonne@gamil.com",
1988         "GYuonne@gmail.com"
1989     ]
1990 }
1991 {
1992     "_id" : ObjectId("60bb5b87d5ec118047011de5"),
1993     "firstName" : "Will",
1994     "lastName" : "Strout",
1995     "age" : 36,
1996     "Address" : {
1997         "streetAddress" : "11 Jungle Road",
1998         "city" : "Leominster",
1999         "state" : "MA",
2000         "postalCode" : 1453
2001     },
2002     "phoneNumber" : [
2003         {
2004             "type" : "home",
2005             "number" : 976463661
2006         },
2007         {
2008             "type" : "fax",
2009             "number" : 8685337904
2010         },
2011         {
2012             "type" : "Mobile",
2013             "number" : 9809039510
2014         }
2015     ],
2016     "emailAddress" : [
2017         "Will@gamil.com",
2018         "SWill@gmail.com"
2019     ]
2020 }
2021 {
2022     "_id" : ObjectId("60bb5d9af5322caf711ed97f"),
2023     "firstName" : "Vasu",
2024     "lastName" : "Kalariya"
2025 }
2026 {
2027     "_id" : ObjectId("60bb5b87d5ec118047011dd5"),
2028     "firstName" : "Robert",
2029     "lastName" : "Smith",
2030     "age" : 22,
2031     "Address" : {
2032         "streetAddress" : "1400 Farmington Ave",
2033         "city" : "Bristol",

```

```

2034         "state" : "CT",
2035         "postalCode" : 6010
2036     },
2037     "phoneNumber" : [
2038         {
2039             "type" : "home",
2040             "number" : 1761266808
2041         },
2042         {
2043             "type" : "fax",
2044             "number" : 9841911399
2045         }
2046     ],
2047     "emailAddress" : [
2048         "Robert@gamil.com",
2049         "SRob@gmail.com"
2050     ]
2051 }
2052 {
2053     "_id" : ObjectId("60bb5b87d5ec118047011de1"),
2054     "firstName" : "Michele",
2055     "lastName" : "Gault",
2056     "age" : 36,
2057     "Address" : {
2058         "streetAddress" : "5399 W Genessee St",
2059         "city" : "Camillus",
2060         "state" : "NY",
2061         "postalCode" : 13031
2062     },
2063     "phoneNumber" : [
2064         {
2065             "type" : "home",
2066             "number" : 6125582162
2067         },
2068         {
2069             "type" : "fax",
2070             "number" : 935992552
2071         },
2072         {
2073             "type" : "Mobile",
2074             "number" : 395710776
2075         }
2076     ],
2077     "emailAddress" : [
2078         "MichaelG@gamil.com",
2079         "GMichele@gmail.com",
2080         "GaultM@gmail.com"
2081     ]
2082 }
2083 {
2084     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),
2085     "firstName" : "Michael",
2086     "lastName" : "Smith",
2087     "age" : 21,
2088     "Address" : {
2089         "streetAddress" : "279 Troy Road",
2090         "city" : "East Greenbush",
2091         "state" : "NY",
2092         "postalCode" : 12061
2093     },
2094     "phoneNumber" : [
2095         {
2096             "type" : "home",
2097             "number" : 9808191199
2098         },
2099         {
2100             "type" : "fax",
2101             "number" : 7797374941
2102         }

```

```

2103     ],
2104     "emailAddress" : [
2105         "MichS@gamil.com",
2106         "SMich@gmail.com"
2107     ]
2108 }
2109 {
2110     "_id" : ObjectId("60bb5b87d5ec118047011dd9"),
2111     "firstName" : "Mary",
2112     "lastName" : "Smith",
2113     "age" : 22,
2114     "Address" : {
2115         "streetAddress" : "180 River Rd",
2116         "city" : "Lisbon",
2117         "state" : "CT",
2118         "postalCode" : 6351
2119     },
2120     "phoneNumber" : [
2121         {
2122             "type" : "home",
2123             "number" : 9806068527
2124         },
2125         {
2126             "type" : "fax",
2127             "number" : 3219935317
2128         }
2129     ],
2130     "emailAddress" : [
2131         "Mary@gamil.com",
2132         "SMary@gmail.com"
2133     ]
2134 }
2135 {
2136     "_id" : ObjectId("60bb5b87d5ec118047011dd6"),
2137     "firstName" : "Maria",
2138     "lastName" : "Garcia",
2139     "age" : 22,
2140     "Address" : {
2141         "streetAddress" : "515 Sawmill Road",
2142         "city" : "West Haven",
2143         "state" : "CT",
2144         "postalCode" : 6516
2145     },
2146     "phoneNumber" : [
2147         {
2148             "type" : "home",
2149             "number" : 8215484894
2150         },
2151         {
2152             "type" : "fax",
2153             "number" : 6754261777
2154         }
2155     ],
2156     "emailAddress" : [
2157         "MariaG@gamil.com",
2158         "GMaria@gmail.com"
2159     ]
2160 }
2161 {
2162     "_id" : ObjectId("60bb5b87d5ec118047011dd8"),
2163     "firstName" : "Maria",
2164     "lastName" : "Rodriguez",
2165     "age" : 20,
2166     "Address" : {
2167         "streetAddress" : "100 Thruway Plaza",
2168         "city" : "Cheektowaga",
2169         "state" : "NY",
2170         "postalCode" : 14225
2171     },

```

```

2172     "phoneNumber" : [
2173         {
2174             "type" : "home",
2175             "number" : 2870577148
2176         },
2177         {
2178             "type" : "fax",
2179             "number" : 1700918899
2180         }
2181     ],
2182     "emailAddress" : [
2183         "MariaR@gamil.com",
2184         "RMaria@gmail.com"
2185     ]
2186 }
2187 {
2188     "_id" : ObjectId("60bb5b87d5ec118047011dda"),
2189     "firstName" : "Maria",
2190     "lastName" : "Hernandez",
2191     "age" : 21,
2192     "Address" : {
2193         "state" : "CT",
2194         "Pincode" : 4123
2195     },
2196     "phoneNumber" : [
2197         {
2198             "type" : "home",
2199             "number" : 7655200366
2200         },
2201         {
2202             "type" : "fax",
2203             "number" : 481572451
2204         }
2205     ],
2206     "emailAddress" : [
2207         "MariaH@gamil.com",
2208         "HMaria@gmail.com"
2209     ]
2210 }
2211 {
2212     "_id" : ObjectId("60bb5b87d5ec118047011ddb"),
2213     "firstName" : "Lilly",
2214     "lastName" : "Martinez",
2215     "age" : 22,
2216     "Address" : {
2217         "streetAddress" : "591 Memorial Dr",
2218         "city" : "Chicopee",
2219         "state" : "MA",
2220         "postalCode" : 1020
2221     },
2222     "phoneNumber" : [
2223         {
2224             "type" : "home",
2225             "number" : 1723748378
2226         },
2227         {
2228             "type" : "fax",
2229             "number" : 3294228998
2230         }
2231     ],
2232     "emailAddress" : [
2233         "Lilly@gamil.com",
2234         "MLilly@gmail.com",
2235         "LillyM@gmail.com"
2236     ]
2237 }
2238 {
2239     "_id" : ObjectId("60bb5b87d5ec118047011ddf"),
2240     "firstName" : "Leticia",

```

```

2241     "lastName" : "Wrobel",
2242     "age" : 33,
2243     "Address" : {
2244         "streetAddress" : "337 Russell St",
2245         "city" : "Hadley",
2246         "state" : "MA",
2247         "postalCode" : 1035
2248     },
2249     "phoneNumber" : [
2250         {
2251             "type" : "home",
2252             "number" : 1659846658
2253         },
2254         {
2255             "type" : "fax",
2256             "number" : 3502899930
2257         },
2258         {
2259             "type" : "Mobile",
2260             "number" : 8437087134
2261         }
2262     ],
2263     "emailAddress" : [
2264         "Leticia@gamil.com",
2265         "Wleticia@gmail.com",
2266         "Wrobell@gmail,com"
2267     ]
2268 }
2269 {
2270     "_id" : ObjectId("60bb5b87d5ec118047011de3"),
2271     "firstName" : "Kathlyn",
2272     "lastName" : "Hackenberg",
2273     "age" : 31,
2274     "Address" : {
2275         "streetAddress" : "20 Soojian Dr",
2276         "city" : "Leicester",
2277         "state" : "MA",
2278         "postalCode" : 1524
2279     },
2280     "phoneNumber" : [
2281         {
2282             "type" : "home",
2283             "number" : 4131667434
2284         },
2285         {
2286             "type" : "fax",
2287             "number" : 4051166104
2288         }
2289     ],
2290     "emailAddress" : [
2291         "Kathlyn@gamil.com",
2292         "HKathlyn@gmail.com"
2293     ]
2294 }
2295 {
2296     "_id" : ObjectId("60bb5b87d5ec118047011ddd"),
2297     "firstName" : "Kamilah",
2298     "lastName" : "Earhart",
2299     "age" : 32,
2300     "Address" : {
2301         "streetAddress" : "297 Grant Avenue",
2302         "city" : "Auburn",
2303         "state" : "NY",
2304         "postalCode" : 13021
2305     },
2306     "phoneNumber" : [
2307         {
2308             "type" : "home",
2309             "number" : 7360386487

```

```

2310         },
2311         {
2312             "type" : "fax",
2313             "number" : 8330942524
2314         }
2315     ],
2316     "emailAddress" : [
2317         "Kamilah@gamil.com",
2318         "EKamlish@gmail.com",
2319         "KamilahEar@gmail,com"
2320     ]
2321 }
2322 {
2323     "_id" : ObjectId("60bb5b87d5ec118047011de9"),
2324     "firstName" : "Jackie",
2325     "lastName" : "Wolfenbarger",
2326     "age" : 22,
2327     "Address" : {
2328         "streetAddress" : "100 Thruway Plaza",
2329         "city" : "Cheektowaga",
2330         "state" : "NY",
2331         "postalCode" : 14225
2332     },
2333     "phoneNumber" : [
2334         {
2335             "type" : "home",
2336             "number" : 6822716568
2337         },
2338         {
2339             "type" : "fax",
2340             "number" : 7965807774
2341         }
2342     ],
2343     "emailAddress" : [
2344         "Jackie@gamil.com",
2345         "WJackie@gmail.com"
2346     ]
2347 }
2348 {
2349     "_id" : ObjectId("60bb5b87d5ec118047011de7"),
2350     "firstName" : "Hanna",
2351     "lastName" : "Voliva",
2352     "age" : 30,
2353     "Address" : {
2354         "streetAddress" : "780 Lynnway",
2355         "city" : "Lynn",
2356         "state" : "MA",
2357         "postalCode" : 1905
2358     },
2359     "phoneNumber" : [
2360         {
2361             "type" : "home",
2362             "number" : 4041954879
2363         },
2364         {
2365             "type" : "fax",
2366             "number" : 2490539545
2367         }
2368     ],
2369     "emailAddress" : [
2370         "Hanna@gamil.com",
2371         "VHanna@gmail.com",
2372         "VolivaHanna@gmail,com"
2373     ]
2374 }
2375 {
2376     "_id" : ObjectId("60bb5b87d5ec118047011de4"),
2377     "firstName" : "Edie",
2378     "lastName" : "Burststein",

```



```

2379     "age" : 38,
2380     "Address" : {
2381         "streetAddress" : "30 Catskill",
2382         "city" : "Catskill",
2383         "state" : "NY",
2384         "postalCode" : 12414
2385     },
2386     "phoneNumber" : [
2387         {
2388             "type" : "home",
2389             "number" : 2601886547
2390         },
2391         {
2392             "type" : "fax",
2393             "number" : 2999933858
2394         }
2395     ],
2396     "emailAddress" : [
2397         "Edie@gamil.com",
2398         "BEdie@gmail.com",
2399         "BursteinE@gmail,com"
2400     ]
2401 }
2402 {
2403     "_id" : ObjectId("60bb5b87d5ec118047011dd7"),
2404     "_firstName" : "David",
2405     "lastName" : "Smith",
2406     "age" : 21,
2407     "Address" : {
2408         "streetAddress" : "30 Memorial Drive",
2409         "city" : "Avon",
2410         "state" : "MA",
2411         "postalCode" : 2322
2412     },
2413     "phoneNumber" : [
2414         {
2415             "type" : "home",
2416             "number" : 1508518145
2417         },
2418         {
2419             "type" : "fax",
2420             "number" : 6778131732
2421         }
2422     ],
2423     "emailAddress" : [
2424         "David@gamil.com",
2425         "SDavid@gmail.com"
2426     ]
2427 }
2428 {
2429     "_id" : ObjectId("60bb5b87d5ec118047011de6"),
2430     "_firstName" : "Cesar",
2431     "lastName" : "Bannon",
2432     "age" : 34,
2433     "Address" : {
2434         "streetAddress" : "161 Centereach Mall",
2435         "city" : "Centereach",
2436         "state" : "NY",
2437         "postalCode" : 11720
2438     },
2439     "phoneNumber" : [
2440         {
2441             "type" : "home",
2442             "number" : 8803053048
2443         },
2444         {
2445             "type" : "fax",
2446             "number" : 8337163141
2447         },

```

```

2448         {
2449             "type" : "Mobile",
2450             "number" : 9735653616
2451         }
2452     ],
2453     "emailAddress" : [
2454         "Cesar@gamil.com",
2455         "BCesar@gmail.com"
2456     ]
2457 }
2458 {
2459     "_id" : ObjectId("60bb5b87d5ec118047011de0"),
2460     "_firstName" : "Caridad",
2461     "lastName" : "Kendall",
2462     "age" : 34,
2463     "Address" : {
2464         "streetAddress" : "6265 Brockport",
2465         "city" : "Brockport",
2466         "state" : "NY",
2467         "postalCode" : 14420
2468     },
2469     "phoneNumber" : [
2470         {
2471             "type" : "home",
2472             "number" : 8602583403
2473         },
2474         {
2475             "type" : "fax",
2476             "number" : 4326828684
2477         }
2478     ],
2479     "emailAddress" : [
2480         "Caridad@gamil.com",
2481         "CaridadK@gmail.com"
2482     ]
2483 }
2484 Type "it" for more
2485 >
2486 >
2487 >
2488 >
2489 > db.Customer.find({$and:[{age:{$gt:20}},{lastName:"Smith"}]}).pretty()
2490 {
2491     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),
2492     "_firstName" : "Michael",
2493     "lastName" : "Smith",
2494     "age" : 21,
2495     "Address" : {
2496         "streetAddress" : "279 Troy Road",
2497         "city" : "East Greenbush",
2498         "state" : "NY",
2499         "postalCode" : 12061
2500     },
2501     "phoneNumber" : [
2502         {
2503             "type" : "home",
2504             "number" : 9808191199
2505         },
2506         {
2507             "type" : "fax",
2508             "number" : 7797374941
2509         }
2510     ],
2511     "emailAddress" : [
2512         "MichS@gamil.com",
2513         "SMich@gmail.com"
2514     ]
2515 }
2516 {

```

```

2517     "_id" : ObjectId("60bb5b87d5ec118047011dd5"),
2518     "firstName" : "Robert",
2519     "lastName" : "Smith",
2520     "age" : 22,
2521     "Address" : {
2522         "streetAddress" : "1400 Farmington Ave",
2523         "city" : "Bristol",
2524         "state" : "CT",
2525         "postalCode" : 6010
2526     },
2527     "phoneNumber" : [
2528         {
2529             "type" : "home",
2530             "number" : 1761266808
2531         },
2532         {
2533             "type" : "fax",
2534             "number" : 9841911399
2535         }
2536     ],
2537     "emailAddress" : [
2538         "Robert@gamil.com",
2539         "SRob@gmail.com"
2540     ]
2541 }
2542 {
2543     "_id" : ObjectId("60bb5b87d5ec118047011dd7"),
2544     "firstName" : "David",
2545     "lastName" : "Smith",
2546     "age" : 21,
2547     "Address" : {
2548         "streetAddress" : "30 Memorial Drive",
2549         "city" : "Avon",
2550         "state" : "MA",
2551         "postalCode" : 2322
2552     },
2553     "phoneNumber" : [
2554         {
2555             "type" : "home",
2556             "number" : 1508518145
2557         },
2558         {
2559             "type" : "fax",
2560             "number" : 6778131732
2561         }
2562     ],
2563     "emailAddress" : [
2564         "David@gamil.com",
2565         "SDavid@gmail.com"
2566     ]
2567 }
2568 {
2569     "_id" : ObjectId("60bb5b87d5ec118047011dd9"),
2570     "firstName" : "Mary",
2571     "lastName" : "Smith",
2572     "age" : 22,
2573     "Address" : {
2574         "streetAddress" : "180 River Rd",
2575         "city" : "Lisbon",
2576         "state" : "CT",
2577         "postalCode" : 6351
2578     },
2579     "phoneNumber" : [
2580         {
2581             "type" : "home",
2582             "number" : 9806068527
2583         },
2584         {
2585             "type" : "fax",

```

```

2586         "number" : 3219935317
2587     }
2588 ],
2589 "emailAddress" : [
2590     "Mary@gamil.com",
2591     "SMary@gmail.com"
2592 ]
2593 }
2594
2595
2596 -----
2597
2598 Query using or operation
2599 > db.Customer.find({$or:[{age:{$gt:21}},{lastName:"Smith"}]}).pretty()
2600 {
2601     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),
2602     "firstName" : "Michael",
2603     "lastName" : "Smith",
2604     "age" : 21,
2605     "Address" : {
2606         "streetAddress" : "279 Troy Road",
2607         "city" : "East Greenbush",
2608         "state" : "NY",
2609         "postalCode" : 12061
2610     },
2611     "phoneNumber" : [
2612         {
2613             "type" : "home",
2614             "number" : 9808191199
2615         },
2616         {
2617             "type" : "fax",
2618             "number" : 7797374941
2619         }
2620     ],
2621     "emailAddress" : [
2622         "MichS@gamil.com",
2623         "SMich@gmail.com"
2624     ]
2625 }
2626 {
2627     "_id" : ObjectId("60bb5b87d5ec118047011dd5"),
2628     "firstName" : "Robert",
2629     "lastName" : "Smith",
2630     "age" : 22,
2631     "Address" : {
2632         "streetAddress" : "1400 Farmington Ave",
2633         "city" : "Bristol",
2634         "state" : "CT",
2635         "postalCode" : 6010
2636     },
2637     "phoneNumber" : [
2638         {
2639             "type" : "home",
2640             "number" : 1761266808
2641         },
2642         {
2643             "type" : "fax",
2644             "number" : 9841911399
2645         }
2646     ],
2647     "emailAddress" : [
2648         "Robert@gamil.com",
2649         "SRob@gmail.com"
2650     ]
2651 }
2652 {
2653     "_id" : ObjectId("60bb5b87d5ec118047011dd6"),

```

```

2655     "firstName" : "Maria",
2656     "lastName" : "Garcia",
2657     "age" : 22,
2658     "Address" : {
2659         "streetAddress" : "515 Sawmill Road",
2660         "city" : "West Haven",
2661         "state" : "CT",
2662         "postalCode" : 6516
2663     },
2664     "phoneNumber" : [
2665         {
2666             "type" : "home",
2667             "number" : 8215484894
2668         },
2669         {
2670             "type" : "fax",
2671             "number" : 6754261777
2672         }
2673     ],
2674     "emailAddress" : [
2675         "MariaG@gamil.com",
2676         "GMaria@gmail.com"
2677     ]
2678 }
2679 {
2680     "_id" : ObjectId("60bb5b87d5ec118047011dd7"),
2681     "firstName" : "David",
2682     "lastName" : "Smith",
2683     "age" : 21,
2684     "Address" : {
2685         "streetAddress" : "30 Memorial Drive",
2686         "city" : "Avon",
2687         "state" : "MA",
2688         "postalCode" : 2322
2689     },
2690     "phoneNumber" : [
2691         {
2692             "type" : "home",
2693             "number" : 1508518145
2694         },
2695         {
2696             "type" : "fax",
2697             "number" : 6778131732
2698         }
2699     ],
2700     "emailAddress" : [
2701         "David@gamil.com",
2702         "SDavid@gmail.com"
2703     ]
2704 }
2705 {
2706     "_id" : ObjectId("60bb5b87d5ec118047011dd9"),
2707     "firstName" : "Mary",
2708     "lastName" : "Smith",
2709     "age" : 22,
2710     "Address" : {
2711         "streetAddress" : "180 River Rd",
2712         "city" : "Lisbon",
2713         "state" : "CT",
2714         "postalCode" : 6351
2715     },
2716     "phoneNumber" : [
2717         {
2718             "type" : "home",
2719             "number" : 9806068527
2720         },
2721         {
2722             "type" : "fax",
2723             "number" : 3219935317

```

```

2724         }
2725     ],
2726     "emailAddress" : [
2727         "Mary@gamil.com",
2728         "SMary@gmail.com"
2729     ]
2730 }
2731 {
2732     "_id" : ObjectId("60bb5b87d5ec118047011ddb"),
2733     "_firstName" : "Lilly",
2734     "lastName" : "Martinez",
2735     "age" : 22,
2736     "Address" : {
2737         "streetAddress" : "591 Memorial Dr",
2738         "city" : "Chicopee",
2739         "state" : "MA",
2740         "postalCode" : 1020
2741     },
2742     "phoneNumber" : [
2743         {
2744             "type" : "home",
2745             "number" : 1723748378
2746         },
2747         {
2748             "type" : "fax",
2749             "number" : 3294228998
2750         }
2751     ],
2752     "emailAddress" : [
2753         "Lilly@gamil.com",
2754         "MLilly@gmail.com",
2755         "LillyM@gmail.com"
2756     ]
2757 }
2758 {
2759     "_id" : ObjectId("60bb5b87d5ec118047011ddd"),
2760     "_firstName" : "Kamilah",
2761     "lastName" : "Earhart",
2762     "age" : 32,
2763     "Address" : {
2764         "streetAddress" : "297 Grant Avenue",
2765         "city" : "Auburn",
2766         "state" : "NY",
2767         "postalCode" : 13021
2768     },
2769     "phoneNumber" : [
2770         {
2771             "type" : "home",
2772             "number" : 7360386487
2773         },
2774         {
2775             "type" : "fax",
2776             "number" : 8330942524
2777         }
2778     ],
2779     "emailAddress" : [
2780         "Kamilah@gamil.com",
2781         "EKamlish@gmail.com",
2782         "KamilahEar@gmail,com"
2783     ]
2784 }
2785 {
2786     "_id" : ObjectId("60bb5b87d5ec118047011dde"),
2787     "_firstName" : "Alise",
2788     "lastName" : "Pickrell",
2789     "age" : 29,
2790     "Address" : {
2791         "streetAddress" : "4133 Veterans Memorial",
2792         "city" : "Batavia",

```

```

2793         "state" : "NY",
2794         "postalCode" : 14020
2795     },
2796     "phoneNumber" : [
2797         {
2798             "type" : "home",
2799             "number" : 8564397599
2800         },
2801         {
2802             "type" : "fax",
2803             "number" : 5426189495
2804         },
2805         {
2806             "type" : "Mobile",
2807             "number" : 3314579129
2808         }
2809     ],
2810     "emailAddress" : [
2811         "AliseP@gamil.com",
2812         "PAlise@gmail.com"
2813     ]
2814 }
2815 {
2816     "_id" : ObjectId("60bb5b87d5ec118047011ddf"),
2817     "_firstName" : "Leticia",
2818     "_lastName" : "Wrobel",
2819     "age" : 33,
2820     "Address" : {
2821         "streetAddress" : "337 Russell St",
2822         "city" : "Hadley",
2823         "state" : "MA",
2824         "postalCode" : 1035
2825     },
2826     "phoneNumber" : [
2827         {
2828             "type" : "home",
2829             "number" : 1659846658
2830         },
2831         {
2832             "type" : "fax",
2833             "number" : 3502899930
2834         },
2835         {
2836             "type" : "Mobile",
2837             "number" : 8437087134
2838         }
2839     ],
2840     "emailAddress" : [
2841         "Leticia@gamil.com",
2842         "WLeticia@gmail.com",
2843         "WrobelL@gmail,com"
2844     ]
2845 }
2846 {
2847     "_id" : ObjectId("60bb5b87d5ec118047011de0"),
2848     "_firstName" : "Caridad",
2849     "_lastName" : "Kendall",
2850     "age" : 34,
2851     "Address" : {
2852         "streetAddress" : "6265 Brockport",
2853         "city" : "Brockport",
2854         "state" : "NY",
2855         "postalCode" : 14420
2856     },
2857     "phoneNumber" : [
2858         {
2859             "type" : "home",
2860             "number" : 8602583403
2861         },

```

```

2862         {
2863             "type" : "fax",
2864             "number" : 4326828684
2865         }
2866     ],
2867     "emailAddress" : [
2868         "Caridad@gamil.com",
2869         "CaridadK@gmail.com"
2870     ]
2871 }
2872 {
2873     "_id" : ObjectId("60bb5b87d5ec118047011de1"),
2874     "_firstName" : "Michele",
2875     "lastName" : "Gault",
2876     "age" : 36,
2877     "Address" : {
2878         "streetAddress" : "5399 W Genessee St",
2879         "city" : "Camillus",
2880         "state" : "NY",
2881         "postalCode" : 13031
2882     },
2883     "phoneNumber" : [
2884         {
2885             "type" : "home",
2886             "number" : 6125582162
2887         },
2888         {
2889             "type" : "fax",
2890             "number" : 935992552
2891         },
2892         {
2893             "type" : "Mobile",
2894             "number" : 395710776
2895         }
2896     ],
2897     "emailAddress" : [
2898         "MichaelG@gamil.com",
2899         "GMichele@gmail.com",
2900         "GaultM@gmail,com"
2901     ]
2902 }
2903 {
2904     "_id" : ObjectId("60bb5b87d5ec118047011de2"),
2905     "_firstName" : "Azalee",
2906     "lastName" : "Racey",
2907     "age" : 31,
2908     "Address" : {
2909         "streetAddress" : "3191 County rd 10",
2910         "city" : "Canandaigua",
2911         "state" : "NY",
2912         "postalCode" : 14424
2913     },
2914     "phoneNumber" : [
2915         {
2916             "type" : "home",
2917             "number" : 8268801323
2918         },
2919         {
2920             "type" : "fax",
2921             "number" : 9568588641
2922         },
2923         {
2924             "type" : "Mobile",
2925             "number" : 7806366159
2926         }
2927     ],
2928     "emailAddress" : [
2929         "AzaleeR@gamil.com",
2930         "RAzalee@gmail.com"

```



```

2931     ]
2932   }
2933   {
2934     "_id" : ObjectId("60bb5b87d5ec118047011de3"),
2935     "firstName" : "Kathlyn",
2936     "lastName" : "Hackenberg",
2937     "age" : 31,
2938     "Address" : {
2939       "streetAddress" : "20 Soojian Dr",
2940       "city" : "Leicester",
2941       "state" : "MA",
2942       "postalCode" : 1524
2943     },
2944     "phoneNumber" : [
2945       {
2946         "type" : "home",
2947         "number" : 4131667434
2948       },
2949       {
2950         "type" : "fax",
2951         "number" : 4051166104
2952       }
2953     ],
2954     "emailAddress" : [
2955       "Kathlyn@gamil.com",
2956       "HKathlyn@gmail.com"
2957     ]
2958   }
2959   {
2960     "_id" : ObjectId("60bb5b87d5ec118047011de4"),
2961     "firstName" : "Edie",
2962     "lastName" : "Burststein",
2963     "age" : 38,
2964     "Address" : {
2965       "streetAddress" : "30 Catskill",
2966       "city" : "Catskill",
2967       "state" : "NY",
2968       "postalCode" : 12414
2969     },
2970     "phoneNumber" : [
2971       {
2972         "type" : "home",
2973         "number" : 2601886547
2974       },
2975       {
2976         "type" : "fax",
2977         "number" : 2999933858
2978       }
2979     ],
2980     "emailAddress" : [
2981       "Edie@gamil.com",
2982       "BEdie@gmail.com",
2983       "BurststeinE@gmail.com"
2984     ]
2985   }
2986   {
2987     "_id" : ObjectId("60bb5b87d5ec118047011de5"),
2988     "firstName" : "Will",
2989     "lastName" : "Strout",
2990     "age" : 36,
2991     "Address" : {
2992       "streetAddress" : "11 Jungle Road",
2993       "city" : "Leominster",
2994       "state" : "MA",
2995       "postalCode" : 1453
2996     },
2997     "phoneNumber" : [
2998       {
2999         "type" : "home",

```

```

3000         "number" : 976463661
3001     },
3002     {
3003         "type" : "fax",
3004         "number" : 8685337904
3005     },
3006     {
3007         "type" : "Mobile",
3008         "number" : 9809039510
3009     }
3010 ],
3011 "emailAddress" : [
3012     "Will@gamil.com",
3013     "SWill@gmail.com"
3014 ]
3015 }
3016 {
3017     "_id" : ObjectId("60bb5b87d5ec118047011de6"),
3018     "firstName" : "Cesar",
3019     "lastName" : "Bannon",
3020     "age" : 34,
3021     "Address" : {
3022         "streetAddress" : "161 Centereach Mall",
3023         "city" : "Centereach",
3024         "state" : "NY",
3025         "postalCode" : 11720
3026     },
3027     "phoneNumber" : [
3028         {
3029             "type" : "home",
3030             "number" : 8803053048
3031         },
3032         {
3033             "type" : "fax",
3034             "number" : 8337163141
3035         },
3036         {
3037             "type" : "Mobile",
3038             "number" : 9735653616
3039         }
3040     ],
3041     "emailAddress" : [
3042         "Cesar@gamil.com",
3043         "BCesar@gmail.com"
3044     ]
3045 }
3046 {
3047     "_id" : ObjectId("60bb5b87d5ec118047011de7"),
3048     "firstName" : "Hanna",
3049     "lastName" : "Voliva",
3050     "age" : 30,
3051     "Address" : {
3052         "streetAddress" : "780 Lynnway",
3053         "city" : "Lynn",
3054         "state" : "MA",
3055         "postalCode" : 1905
3056     },
3057     "phoneNumber" : [
3058         {
3059             "type" : "home",
3060             "number" : 4041954879
3061         },
3062         {
3063             "type" : "fax",
3064             "number" : 2490539545
3065         }
3066     ],
3067     "emailAddress" : [
3068         "Hanna@gamil.com",

```

```

3069         "VHanna@gmail.com",
3070         "VolivaHanna@gmail,com"
3071     ]
3072 }
3073 {
3074     "_id" : ObjectId("60bb5b87d5ec118047011de8"),
3075     "firstName" : "Yuonne",
3076     "lastName" : "Gingerich",
3077     "age" : 22,
3078     "Address" : {
3079         "streetAddress" : "3018 East Ave",
3080         "city" : "Central Square",
3081         "state" : "NY",
3082         "postalCode" : 13036
3083     },
3084     "phoneNumber" : [
3085         {
3086             "type" : "home",
3087             "number" : 2990731778
3088         },
3089         {
3090             "type" : "fax",
3091             "number" : 4631531140
3092         },
3093         {
3094             "type" : "Mobile",
3095             "number" : 8829936546
3096         }
3097     ],
3098     "emailAddress" : [
3099         "Yuonne@gamil.com",
3100         "GYuonne@gmail.com"
3101     ]
3102 }
3103 {
3104     "_id" : ObjectId("60bb5b87d5ec118047011de9"),
3105     "firstName" : "Jackie",
3106     "lastName" : "Wolfenbarger",
3107     "age" : 22,
3108     "Address" : {
3109         "streetAddress" : "100 Thruway Plaza",
3110         "city" : "Cheektowaga",
3111         "state" : "NY",
3112         "postalCode" : 14225
3113     },
3114     "phoneNumber" : [
3115         {
3116             "type" : "home",
3117             "number" : 6822716568
3118         },
3119         {
3120             "type" : "fax",
3121             "number" : 7965807774
3122         }
3123     ],
3124     "emailAddress" : [
3125         "Jackie@gamil.com",
3126         "WJackie@gmail.com"
3127     ]
3128 }
3129
3130
3131 -----
3132
3133
3134 Display only two Documents
3135 > db.Customer.find().pretty().limit(2)
3136 {
3137     "_id" : ObjectId("60bb5b87d5ec118047011dd4"),

```

```

3138     "firstName" : "Michael",
3139     "lastName" : "Smith",
3140     "age" : 21,
3141     "Address" : {
3142         "streetAddress" : "279 Troy Road",
3143         "city" : "East Greenbush",
3144         "state" : "NY",
3145         "postalCode" : 12061
3146     },
3147     "phoneNumber" : [
3148         {
3149             "type" : "home",
3150             "number" : 9808191199
3151         },
3152         {
3153             "type" : "fax",
3154             "number" : 7797374941
3155         }
3156     ],
3157     "emailAddress" : [
3158         "MichS@gamil.com",
3159         "SMich@gmail.com"
3160     ]
3161 }
3162 {
3163     "_id" : ObjectId("60bb5b87d5ec118047011dd5"),
3164     "firstName" : "Robert",
3165     "lastName" : "Smith",
3166     "age" : 22,
3167     "Address" : {
3168         "streetAddress" : "1400 Farmington Ave",
3169         "city" : "Bristol",
3170         "state" : "CT",
3171         "postalCode" : 6010
3172     },
3173     "phoneNumber" : [
3174         {
3175             "type" : "home",
3176             "number" : 1761266808
3177         },
3178         {
3179             "type" : "fax",
3180             "number" : 9841911399
3181         }
3182     ],
3183     "emailAddress" : [
3184         "Robert@gamil.com",
3185         "SRob@gmail.com"
3186     ]
3187 }
3188
3189
3190
3191 -----
3192
3193 Drop Document
3194 > db.Customer.drop()
3195 true
3196 >
3197 >
3198 >

```