
MONGODB Project

Intermediate section

Data Set

```
{_id:1,  
name: "Laksmi",  
subjects: [ "python" ],  
marks: [ 75, 80, 90 ]  
},{_id:2,  
name: "Shifa Banu",  
subjects: [ "c++", "java", "python" ],  
marks: [ 95, 80 ] },{_id:3,  
name: "Deepika",  
subjects: [ "csharp", "perl" ],  
marks: [ 91 ]  
},{_id:4,  
name: "Akash",  
subjects: [ "php" ],  
marks: [ 70, 80, 90]  
}
```

>use students

```
>db.detail.insertMany({_id:1,  
name: "Laksmi",  
subjects: [ "python" ],  
marks: [ 75, 80, 90 ]  
},{_id:2,  
name: "Shifa Banu",  
subjects: [ "c++", "java", "python" ],  
marks: [ 95, 80 ] },{_id:3,  
name: "Deepika",
```

```
subjects: [ "csharp", "perl" ],
marks: [ 91 ]
},{_id:4,
name: "Akash",
subjects: [ "php" ],
marks: [ 70, 80, 90]
})
```

```
< {
  acknowledged: true,
  insertedIds: {
    '0': 1,
    '1': 2,
    '2': 3,
    '3': 4
  }
}
```

1.Demonstrate How to Use \$Size Operator To Select Documents Whose Marks Array Has Three Elements:

```
>db.detail.find({ marks: { $size: 3 } })
```

```
> db.detail.find({ marks: { $size: 3 } })
< {
  _id: 1,
  name: 'Laksmi',
  subjects: [
    'python'
  ],
  marks: [
    75,
    80,
    90
  ]
}
{
  _id: 4,
  name: 'Akash',
  subjects: [
    'php'
  ],
  marks: [
    70,
    80,
    90
  ]
}
```

2. Demonstrate How to Use \$Where Operator To Find Array Size Greater Than 1

```
>db.detail.find({  
  $where: "this.marks.length > 1"  
})
```

```
> db.detail.find({  
  $where: "this.marks.length > 1"  
})  
< {  
  _id: 1,  
  name: 'Laksmi',  
  subjects: [  
    'python'  
  ],  
  marks: [  
    75,  
    80,  
    90  
  ]  
}  
{  
  _id: 2,  
  name: 'Shifa Banu',  
  subjects: [  
    'c++',  
    'java',  
    'python'  
  ],  
  marks: [  
    95,  
    80  
  ]  
}
```

```
{  
  _id: 4,  
  name: 'Akash',  
  subjects: [  
    'php'  
  ],  
  marks: [  
    70,  
    80,  
    90  
  ]  
}
```
