Create a database called student
Create a collection called studentmarks
Create the documents listed in above table

```
        "_id" : ObjectId("5a3de8195f75183e16108556"),
        "name" : "aruli",
        "maths_marks" : 78,
        "english_marks" : 85,
        "science_marks" : 80


        "_id" : ObjectId("5a3de8485f75183e16108557"),
        "name" : "shayu",
        "maths_marks" : 80,
        "english_marks" : 76,
        "science_marks" : 65


        "_id" : ObjectId("5a3de86b5f75183e16108558"),
        "name" : "kumaran",
        "maths_marks" : 32,
        "english_marks" : 73,
        "science_marks" : 84


        "_id" : ObjectId("5a3de8a15f75183e16108559"),
        "name" : "lucky",
        "maths_marks" : 66,
        "english_marks" : 90,
        "science_marks" : 45


        "_id" : ObjectId("5a3de8d45f75183e1610855a"),
        "name" : "gva",
        "maths_marks" : 41,
        "english_marks" : 75,
        "science_marks" : 56


        "_id" : ObjectId("5a3de9175f75183e1610855b"),
        "name" : "raam",
        "maths_marks" : 41,
        "english_marks" : 65,
        "science_marks" : 88
```

increase then maths marks of mala by 6 marks

```
> db.studentmarks.update({"name" : "mala"},{$inc:{"maths_marks" : 6}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

list the names of students who got more than 50 marks in maths subject

```
> db.studentmarks.find({"maths_marks":{$gt: 50}},{"name":1,_id:0})
{ "name" : "mala" }
{ "name" : "aruli" }
{ "name" : "shayu" }
{ "name" : "lucky" }
>
```

Add a new column(field) for Average for all students

```
> db.studentmarks.updateMany({},{$set:{"Average":""}})
{ "acknowledged" : true, "matchedCount" : 9, "modifiedCount" : 9 }
```

Update Marks_Science=75 to lucky

```
> db.studentmarks.update({"name":"lucky"},{$set:{"science_marks":75}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

list the names who got more than 50 marks in all subjects

```
      "english_marks" : 65,
      "science_marks" : 88
}
> db.studentmarks.find({$or:[{"maths_marks":{$gt: 50}}, {science_marks:{$gt: 50}}, {"englisg_marks":{$gt: 50}}]})
2017-12-23T22:48:30.098+0530 E QUERY    [thread1] SyntaxError: missing : after property id @(shell):1:82
> db.studentmarks.find({$or:[{"maths_marks":{$gt: 50}}, {"science_marks":{$gt: 50}}, {"englisg_marks":{$gt: 50}}]})
{ "_id" : ObjectId("5a3d36239a76d65be96af300"), "name" : "mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "average" : 7 }
{ "_id" : ObjectId("5a3de7af5f75183e16108554"), "name" : "venu", "maths_marks" : 45, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("5a3de7f35f75183e16108555"), "name" : "kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("5a3de8195f75183e16108556"), "name" : "aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("5a3de8485f75183e16108557"), "name" : "shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65 }
```

List the names who got less than 50 marks in maths subject and more than 50 marks in english

```
> db.studentmarks.find({$or:[{"maths_marks":{$lt: 50}}, {"englisg_marks":{$gt: 50}}]})
{ "_id" : ObjectId("5a3de7af5f75183e16108554"), "name" : "venu", "maths_marks" : 45, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("5a3de7f35f75183e16108555"), "name" : "kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("5a3de86b5f75183e16108558"), "name" : "kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84 }
{ "_id" : ObjectId("5a3de8d45f75183e1610855a"), "name" : "gva", "maths_marks" : 41, "english_marks" : 75, "science_marks" : 56 }
{ "_id" : ObjectId("5a3de9175f75183e1610855b"), "name" : "raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88 }
>
```

List the names who got less than 40 in both maths and science

```
> db.studentmarks.find({"maths_marks":{$lt: 40}, "science_marks":{$lt: 40}})
```

Remove Science column/field for raam

```
> db.studentmarks.update({"name" : "raam"},{$unset:{"science_marks":88}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>
```

Update the jhon's math marks as 87 and english mark as 23,if john not available upsert.

```
> db.studentmarks.insert({"name":"jhon", "maths_marks": 87,"english_marks":23})
WriteResult({ "nInserted" : 1 })
```

Rename then english marks as science marks

```
WriteResult({ "nInserted" : 1 })
> db.studentmarks.update({"name" : "jhon"},{$rename:{"english_marks":"science_marks"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

Remove kumarans documents from collection

```
> db.studentmarks.remove({"_id" : ObjectId("5a3de86b5f75183e16108558")})
WriteResult({ "nRemoved" : 1 })
> db studentmarks find() pretty()
```

Find kala's or Aruli's math_marks and science_marks

```
> maths_marks : 32 }
> db.studentmarks.find({"name":"kala"},{"maths_marks":1, "science_marks":1, _id:0})
{ "maths_marks" : 32, "science_marks" : 53 }
>
```