

Create a Database called student

```
> use Student
switched to db Student
```

2) Create a collection called studentmarks

```
db.createCollection("student_marks")
{"ok" : 1 }
```

3) Create the documents listed in above table.

```
db.student_marks.find().pretty()

  "_id" : ObjectId("592555e8d7b731f964979c85"),
  "Name" : "mala",
  "Maths_marks" : 45,
  "English_marks" : 53,
  "Science_marks" : 72

  "_id" : ObjectId("5925560fd7b731f964979c86"),
  "Name" : "vanu",
  "Maths_marks" : 80,
  "English_marks" : 75,
  "Science_marks" : 85

  "_id" : ObjectId("5925562fd7b731f964979c87"),
  "Name" : "kala",
  "Maths_marks" : 32,
  "English_marks" : 46,
  "Science_marks" : 53

  "_id" : ObjectId("59255654d7b731f964979c88"),
  "Name" : "aruli",
  "Maths_marks" : 78,
  "English_marks" : 85,
  "Science_marks" : 80

  "_id" : ObjectId("5925567bd7b731f964979c89"),
  "Name" : "shaya",
  "Maths_marks" : 80,
  "English_marks" : 76,
  "Science_marks" : 65

  "_id" : ObjectId("592556b3d7b731f964979c8a"),
  "Name" : "kumaran",
  "Maths_marks" : 32,
  "English_marks" : 73,
  "Science_marks" : 84
```

```

    "_id" : ObjectId("592556d9d7b731f964979c8b"),
    "Name" : "lucky",
    "Maths_marks" : 66,
    "English_marks" : 90,
    "Science_marks" : 45

    "_id" : ObjectId("592556f5d7b731f964979c8c"),
    "Name" : "gva",
    "Maths_marks" : 71,
    "English_marks" : 75,
    "Science_marks" : 56

    "_id" : ObjectId("59255710d7b731f964979c8d"),
    "Name" : "raam",
    "Maths_marks" : 41,
    "English_marks" : 65,
    "Science_marks" : 88

```

4) Increase the maths marks of Mala by 6 marks

```

db.student_marks.update({Name:"mala"},{$set:{Maths_marks:45+6}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
db.student_marks.find()
{ "_id" : ObjectId("592555e8d7b731f964979c85"), "Name" : "mala", "Maths_marks" : 51, "English_marks" : 53, "Science_marks" : 72 }
{ "_id" : ObjectId("5925560fd7b731f964979c86"), "Name" : "vanu", "Maths_marks" : 80, "English_marks" : 75, "Science_marks" : 85 }
{ "_id" : ObjectId("5925562fd7b731f964979c87"), "Name" : "kala", "Maths_marks" : 32, "English_marks" : 46, "Science_marks" : 53 }
{ "_id" : ObjectId("59255654d7b731f964979c88"), "Name" : "aruli", "Maths_marks" : 78, "English_marks" : 85, "Science_marks" : 80 }
{ "_id" : ObjectId("5925567bd7b731f964979c89"), "Name" : "shaya", "Maths_marks" : 80, "English_marks" : 76, "Science_marks" : 65 }
{ "_id" : ObjectId("592556b3d7b731f964979c8a"), "Name" : "kumaran", "Maths_marks" : 32, "English_marks" : 73, "Science_marks" : 84 }
{ "_id" : ObjectId("592556d9d7b731f964979c8b"), "Name" : "lucky", "Maths_marks" : 66, "English_marks" : 90, "Science_marks" : 45 }
{ "_id" : ObjectId("592556f5d7b731f964979c8c"), "Name" : "gva", "Maths_marks" : 71, "English_marks" : 75, "Science_marks" : 56 }
{ "_id" : ObjectId("59255710d7b731f964979c8d"), "Name" : "raam", "Maths_marks" : 41, "English_marks" : 65, "Science_marks" : 88 }
db.student_marks.find({Maths_marks:{$gt:50}}).pretty()

```

5) List the names of students who got more than 50 marks in Maths Subject.

```

> db.student_marks.find({Maths_marks:{$gt:50}}).pretty()
{
  "_id" : ObjectId("592555e8d7b731f964979c85"),
  "Name" : "mala",
  "Maths_marks" : 51,
  "English_marks" : 53,
  "Science_marks" : 72
}

```

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

- 7) Update Marks_Science=75 to Lucky .
- 8) List the names who got more than 50 marks in all subjects.
- 9) List the names who got less than 50 marks in Maths subject and more than 50 marks in English
- 10) List the names who got less than 40 in both Maths and Science.
- 11) Remove Science column/field for Raam
- 12) Update John's Math mark as 87 and English mark as 23, if john not available upsert.
- 13) Rename the english_marks column/field for John to science_marks
- 14) Remove Kumaran's document from coll
- 15) Find Kala's or Aruli's math_marks and science_marks