Create a Database called the student

```
>
> use student
switched to db student
>
```

2. Create a collection called studentmarks

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

3. Create the documents listed in the above table.

4. Increase the maths marks of Mala by 6 marks

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

```
> 
> 
> 
> 
> 
b.studentmarks.find({"maths_marks":{$gt:50}},{"name":1,_id:0}).pretty()
{ "name" : "Mala" }
{ "name" : "Vanu" }
{ "name" : "Aruli" }
{ "name" : "Shaya" }
{ "name" : "Lucky" }
{ "name" : "Gva" }
{ "name" : "John" }
> 
>
```

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

7. Update Marks_Science=75 to Lucky.

```
>
>
> db.studentmarks.update({"science_marks":45},{$set:{"name":"Lucky","maths_marks":66,"english_marks":90,"science
_marks":75}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>
>
>
```

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

```
>
>
>
> db.studentmarks.find({"maths_marks":{$lt:50},"english_marks":{$gt:50}},{"name":1,_id:0})
.pretty()
{ "name" : "Kumaran" }
{ "name" : "Raam" }
>
>
```

10. List the names who got less than 40 in both Maths and Science.

```
>
>
>
> db.studentmarks.find({"maths_marks":{$lt:40},"science_marks":{$lt:40}},{"name":1,_id:0})
.pretty()
>
>
>
```

11. Remove Science column/field for Roam

```
>
>
>
>
> db.studentmarks.update({"_id":ObjectId("5cfeab8edbbb15d418e074a5")},{$unset:{"science_ma
rks":1}},false,true)
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
>
>
```

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 the collection

```
>
>
> db.studentmarks.remove({"_id":ObjectId("5cfeab8edbbb15d418e
074a2")})
WriteResult({ "nRemoved" : 0 })
>
```

15. Find Kala's or Aruli's math_marks and science_marks