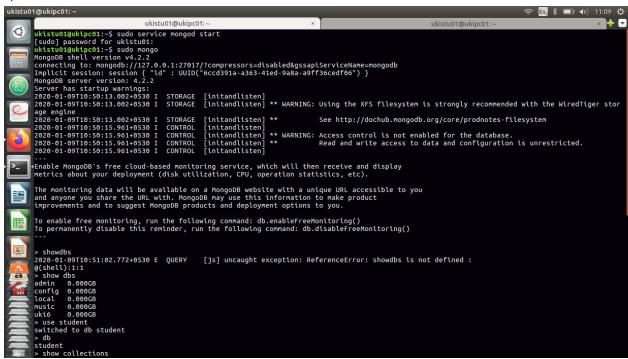
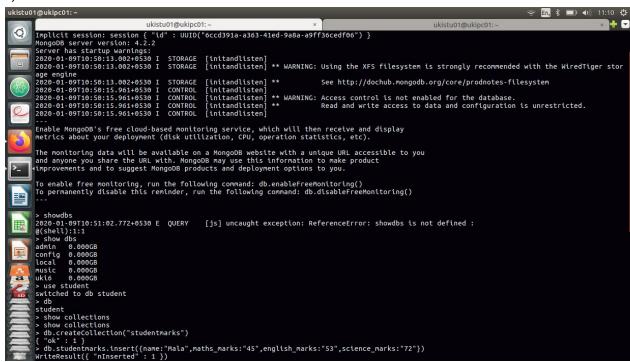
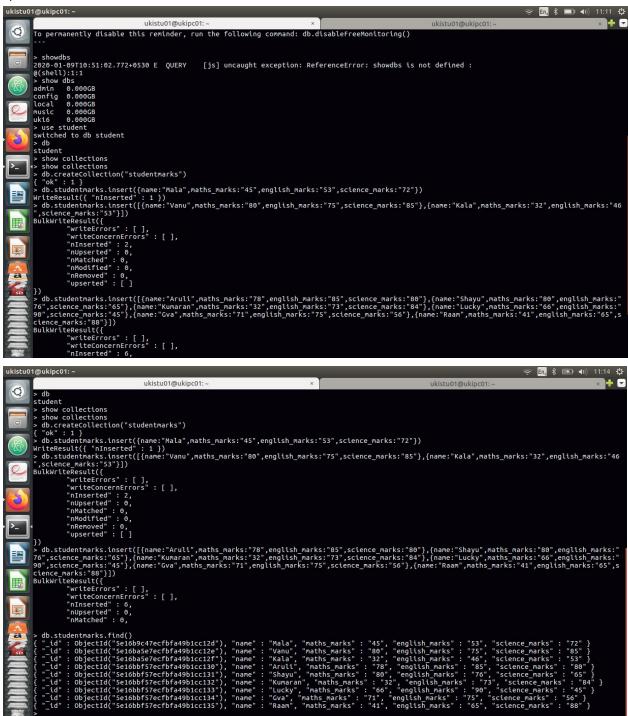
1)Create a Database called student



Create a collection called studentmarks



3) Create the documents listed in above table.



4) Increase the maths marks of Mala by 6 marks

```
ukistu01@ukipc01:
```

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

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

7) Update Marks_Science=75 to Lucky .

```
ukistu01@ukipc01: ~
               ue: Objectid("Seloc2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege" : 1
           _id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "averege" : 1
           _id" : ObjectId("5e16c2e17ecfbfa49b1cc141"), "name" : "Kala", "maths marks" : 32, "english marks" : 46, "science marks" : 53, "averege" : 1
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege" :
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc144"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84, "averege"
           d"d" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 6, "averege" : 1
          _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
          "_id" : ObjectId("5e16c34c7ecfbfa49b1cc147"), "name" : "Raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88, "averege" : 1
         ,
db.studentmarks.update({name:"Lucky"},{$set: {science_marks: 75} })
riteResult({    "nMatched" : 1,    "nUpserted" : 0,    "nModified" : 1 })
       | WriteResult([ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }) | writeResult([ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }) | writeResult([ "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege" : 1 | writeResult("Sei6c2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege" : 1
           id": ObjectId("5e16c2e17ecfbfa49b1cc140"). "name": "Vanu". "maths marks": 80. "english marks": 75. "science marks": 85. "averege": 1
          '_id" : ObjectId("5e16c2e17ecfbfa49b1cc141"), "name" : "Kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53, "averege" : 1
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege" :
           _td" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
           id" : ObjectId("5e16c34c7ecfbfa49b1cc144"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84, "averege"
           d": ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths marks" : 66, "english marks" : 90, "science_marks" : 75, "averege" :
         }
"_id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc147"), "name" : "Raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88, "averege" : 1
```

8) List the names who got more than 50 marks in all subjects.

```
ukistu01@ukipc01
0
               entmarks.find({Sand:[{maths_marks:{$gt:50}}]})
ObjectId("5e16c2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege"
        id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths marks" : 80, "english marks" : 75, "science marks" : 85, "averege" : 1
         _td" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege" :
         _td" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
         _td" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "averege" :
        _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
       db.studentmarks.find({Sand:[{maths_marks:{$gt:50}},{science_marks:{$gt:50}}]})
"_id" : ObjectId("5e16c2b57ecfbfa49blcc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege" : 1
        _id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "averege" : 1
         _id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege" :
         _id" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
         id": ObjectId("Se16c34c7ecfbfa49b1cc145"), "name": "Lucky", "maths_marks": 66, "english_marks": 90, "science_marks": 75, "averege":
         _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
       db.studentmarks.find({$and:[{maths marks:{$gt:50}},{science marks:{$gt:50}},{english marks:{$gt:50}}])
"_id" : ObjectId("5e16c2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege" : 1
        '_id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "averege" : 1
        id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths marks" : 78, "english marks" : 85, "science marks" : 80, "averege" :
         _td" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
         _td" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "averege" :
         _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
```

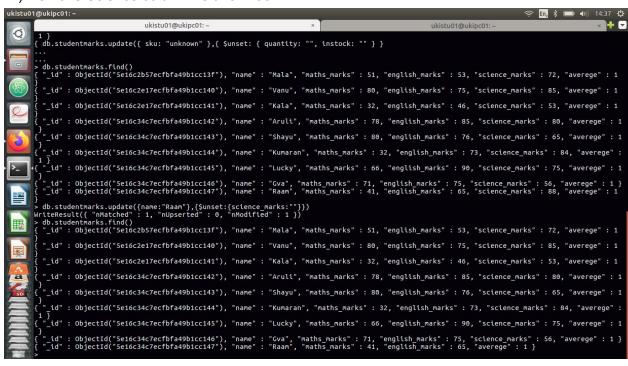
9) List the names who got less than 50 marks in Maths subject and more than 50 marks in English

```
ukistu01@ukipc0
 ·O
           id": ObjectId("5e16c34c7ecfbfa49b1cc142"). "name": "Aruli". "maths marks": 78. "english marks": 85. "science marks": 80. "averege":
           _td" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "sclence_marks" : 65, "averege
           id" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths marks" : 66, "english marks" : 90, "science marks" : 75, "averege"
          _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
         db.studentmarks.find({Sand:[{maths_marks:{$gt:50}},{science_marks:{$gt:50}}]))
"id": ObjectId("Se16c2b57ecfbfa49b1cc13f"), "name": "Mala", "maths_marks": 51, "english_marks": 53, "science_marks": 72, "averege": 1
          _id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "averege"
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege"
           id" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
           _id" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "averege" :
         }
" id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1
         db.studentmarks.find({$and:[{maths_marks:{$gt:50}},{science_marks:{$gt:50}},{english_marks:{$gt:50}}]})
" id" : ObjectId("5e16c2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths marks" : 51, "english marks" : 53, "science marks" : 72, "averege"
          _id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "engllsh_marks" : 75, "sclence_marks" : 85, "averege" : 1
           _td" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege" :
           _td" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" :
           _td" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "averege" :
           id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths marks" : 71, "english marks" : 75, "science marks" : 56, "averege" : 1
         db.studentmarks.find({$and:[{maths_marks:{$lt:50}},{english_marks:{$gt:50}}]})
"_id" : ObjectId("5e16c34c7ecfbfa49b1cc144"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84, "averege"
               : ObjectId("Se16c34c7ecfbfa49b1cc147"), "name" : "Raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88, "averege" : 1
```

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

```
: ObjectId("5e16c34c7ecfbfa49b1cc143"), "name"
                                                                           "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege
  _id" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "averege"
 _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1 }
b.studentmarks.ftnd({$and:[{maths_marks:{$gt:50}},{science_marks:{$gt:50}}]})
_id" : ObjectId("5e16c2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege" : 1
"_id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "averege
"_id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege
 _id" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege
 _id" : ObjectId("5e16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "averege
 _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege"
b.studentmarks.find({$and:[{maths_marks:{$gt:50}},{science_marks:{$gt:50}},{english_marks:{$gt:50}}]))
_id" : ObjectId("5e16c2b57ecfbfa49b1cc13f"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "averege"
_id" : ObjectId("5e16c2e17ecfbfa49b1cc140"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "averege"
"_id" : ObjectId("5e16c34c7ecfbfa49b1cc142"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "averege
 _id" : ObjectId("5e16c34c7ecfbfa49b1cc143"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "averege" : 1
.
"_td" : ObjectId("Se16c34c7ecfbfa49b1cc145"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "avereg
  _id" : ObjectId("5e16c34c7ecfbfa49b1cc146"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56, "averege" : 1 }
b.studentmarks.find({$and:[{maths_marks:{$lt:50}},{english_marks:{$gt:50}}]})
_id" : ObjectId("5e16c34c7ecfbfa49b1cc144"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84, "averege" :
  , dd" : ObjectId("5e16c34c7ecfbfa49b1cc147"), "name" : "Raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88, "averege" : 1
db.studentmarks.find({$and:[{maths_marks:{$lt:40}},{science_marks:{$lt:40}}]})
db.studentmarks.find({$and:[{maths_marks:{$lt:40}}]})
"_id" : ObjectId("5e16c2e17ecfbfa49b1cc141"), "name" : "Kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53, "averege" : 1
"_id" : ObjectId("5e16c34c7ecfbfa49b1cc144"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84, "averege" :
db.studentmarks.find({$and:[{maths_marks:{$lt:40}},{science_marks:{$lt:40}}]})
```

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

15) Find Kala's or Aruli's math marks and science marks