1) Create a Database called student

```
ukipc11@ukipc11:~/Desktop/mongo ex2$ node q1.js
current Server Discovery and Monitoring engine is deprecated, and will be remove
d in a future version. To use the new Server Discover and Monitoring engine, pas
s option {  useUnifiedTopology: true } to the MongoClient constructor.
Database created!
```

Create a collection called studentmarks

```
ukipc11@ukipc11:~/Desktop/mongo ex2$ node q2.js
current Server Discovery and Monitoring engine is deprecated, and will be remove
d in a future version. To use the new Server Discover and Monitoring engine, pas
s option { useUnifiedTopology: true } to the MongoClient constructor.
 collection created!
ukipc11@ukipc11:~/Desktop/mongo ex2$
```

Create the documents listed in above table.

```
skipc11@ukipc11:~/Desktop/mongo ex2$ node q3.js
current Server Discovery and Monitoring engine is deprecated, and will be remove
d in a future version. To use the new Server Discover and Monitoring engine, pas
s option { useUnifiedTopology: true } to the MongoClient constructor.
Number of documents inserted: 9
ukipc11@ukipc11:~/Desktop/mongo ex2S
```

4) Increase the maths marks of Mala by 6 marks

```
uktpc11@uktpc11:-/Desktop/mongo ex2$ node q4.js
current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnifiedTopology: true } to the Mongoclient constructor.
[ { _id: Se16baced46bf07d7aedb95b, mane: 'mala', maths marks: '46', english marks: '46', english marks: '53', science marks: '72' },
[ _id: Se16bb47d46bf07d7aedb95
                  maths marks: '46',
english_marks: '53',
science_marks: '72' },
id: Sel6bb47d46bf07d7aedb95c,
name: 'vanu',
maths_marks: '80',
english_marks: '75',
science_marks: '85' },
id: Sel6bbacd46bf07d7aedb95d,
name: 'kala',
maths_marks: '46',
science_marks: '33' },
id: Sel6bc19d46bf07d7aedb95e,
name: 'aruli',
maths_marks: '78',
english_marks: '80' },
id: Sel6bc19d46bf07d7aedb95e,
name: 'aruli',
maths_marks: '80',
english_marks: '80' },
id: Sel6bc68d46bf07d7aedb95f,
name: 'shayu',
maths_marks: '80',
english_marks: '76',
science_marks: '85' },
id: Sel6bc29d46bf07d7aedb960,
name: 'kumaran',
maths_marks: '3',
english_marks: '73',
english_marks: '73',
english_marks: '84' },
id: Sel6bc69d46bf07d7aedb961,
name: 'lucky',
maths_marks: '66',
english_marks: '90',
science_marks: '65',
id: Sel6bc6d06bf07d7aedb962,
name: 'gva',
naths_marks: '75',
id: Sel6bda0d46bf07d7aedb962,
name: 'gva',
maths_marks: '71',
                          _td. Selobdaod40010
name: 'gva',
maths_marks: '71',
english_marks: '75'
```

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

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
    if (err) throw err;
    var dbo = db.db("student");
    dbo.collection("studentmarks").find({maths_marks:{sqt:50}}, { projection: { maths_marks: 0 } }).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
    });
});
```

- 6)Add a new column(field) for Average for all students.
- 7) Update Marks_Science=75 to Lucky.

```
ukipc11@ukipc11:~/Desktop/mongo ex2$ node q7.js
current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monit
oring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
1 document updated
ukipc11:~/Desktop/mongo ex2$
```

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

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
   if (err) throw err;
   var dbo = db.db("student");
   dbo.collection("studentmarks").find({maths_marks:{sgt:50}}, { projection: { maths_marks: 0 } }).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
   });
});

pkkipc11@ukipc11:-/Desktop/mongo ex2$ node q8.js
   current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnlfiedTopology: true } to the MongoClient constructor.
```

```
oring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.

| July | Construction |
```

- 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.

```
ongoClient = require('mongodb').MongoClient;
rl = "mongodb://localhost:27017/";

Client.connect(url, function(err, db) {
    (err) throw err;
    dbo = db.db("student");
    .collection("studentmarks").find({$and:[{maths_marks:{$lt:40}},{science_marks:{$lt:40}},{english_marks:{$lt:4}}}]}).toArray(function(err, result) {
    f (err) throw err;
    onsole.log(result);
    b.close();
```

- 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

```
current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery Sind Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover Sind Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.

Toolups
1 documentNupdated
ukipc11:m/Desktop/mongoSex25 code above in a file called "demo update one is" and run the file:
```

- 14) Remove Kumaran's document from collection
- 15) Find Kala's or Aruli's math_marks and science_marks

Note - Make sure all your answer screenshots are pretty.