

1.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/student";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   console.log("Database created!");
7   db.close();
8 });
9
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node m1.js
Database created!
```

2.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/student";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   db.createCollection("studentmarks", function(err, res) {
7     if (err) throw err;
8     console.log("Table created!");
9     db.close();
10  });
11 });
12
```

```
Table created!
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

3.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/student";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var songdetails = [
7     { name: 'Mala', maths_marks: 45, english_marks: 53, science_marks: 72},
8     { name: 'Vanu', maths_marks: 80, english_marks: 75, science_marks: 85},
9     { name: 'Kala', maths_marks: 32, english_marks: 46, science_marks: 53},
10    { name: 'Aruli', maths_marks: 78, english_marks: 85, science_marks: 80},
11    { name: 'Shayu', maths_marks: 80, english_marks: 76, science_marks: 65},
12    { name: 'Kumaran', maths_marks: 32, english_marks: 73, science_marks: 84},
13    { name: 'Lucky', maths_marks: 66, english_marks: 90, science_marks: 45},
14    { name: 'Gva', maths_marks: 71, english_marks: 75, science_marks: 56},
15    { name: 'Raam', maths_marks: 41, english_marks: 65, science_marks: 88}
16  ];
17  db.collection("studentmarks").insert(songdetails, function(err, res) {
18    if (err) throw err;
19    console.log("Number of records inserted: " + res.insertedCount);
20    db.close();
21  });
22 });
23
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node m3.js
Number of records inserted: 9
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

4.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://127.0.0.1:27017/student";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var myquery = { maths_marks: 45 };
7   var newvalues = { name: "mala", maths_marks: 51 };
8   db.collection("studentmarks").update(myquery, newvalues, function(err, res) {
9     if (err) throw err;
10    console.log(res.result.nModified + " record updated");
11    db.close();
12  });
13 });
14
```

```
ukistu03@ukipc03: ~/Documents/uki_
ukistu03@ukipc03:~/Documents/uki_exerci
/home/ukistu03/Documents/uki_exercise/n
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node m4.js
1 record updated
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

5.

```
2 var MongoClient = require('mongodb').MongoClient;
3 var url = "mongodb://localhost:27017/student";
4
5 MongoClient.connect(url, function(err, db) {
6   if (err) throw err;
7   var query = { maths_marks:{$gt:50}}
8   db.collection("studentmarks").find(query).toArray(function(err,
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });
```

```
    maths_marks: 80,
    english_marks: 75,
    science_marks: 85 },
  { _id: 5938fe07673a830cee46bc36,
    name: 'Aruli',
    maths_marks: 78,
    english_marks: 85,
    science_marks: 80 },
  { _id: 5938fe07673a830cee46bc37,
    name: 'Shayu',
    maths_marks: 80,
    english_marks: 76,
    science_marks: 65 },
  { _id: 5938fe07673a830cee46bc39,
    name: 'Lucky',
    maths_marks: 66,
    english_marks: 90,
    science_marks: 45 },
  { _id: 5938fe07673a830cee46bc3a,
    name: 'Gva',
    maths_marks: 71,
    english_marks: 75,
    science_marks: 56 } ]
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

6.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/student";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var myobj = { Avaerage: "1" };
7   db.collection("studentmarks").insertOne(myobj, function(err, res) {
8     if (err) throw err;
9     console.log("1 record inserted");
10    db.close();
11  });
12 });
13
```

```
science_marks: 56 } ]
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node m6.js
1 record inserted
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

7.

8.

9.