Practical 1

Aim: Write a program to implement MongoDB data models.

Code:

```
const { MongoClient } = require('mongodb');
const uri = "mongodb://localhost:27017/";
const client = new MongoClient(uri); async
function run() {
 try {  await client.connect();
console.log('Connected to MongoDB Server'); const
db = client.db('db1'); const studentsCollection =
db.collection('students'); const coursesCollection =
db.collection('courses'); const newStudent = {
 _id: '2',
 name: 'Don joe',  age: 23,  grades:
[90, 85, 92],  courses: ['Math',
'Science', 'History']
};
const result = await studentsCollection.insertOne(newStudent); console.log('Inserted
Document:', result);
 } finally {  await
client.close();
 }
}
run().catch(console.dir);
```

Output:

```
C:\Users\RDNC\Desktop>node script.js
Connected to MongoDB Server
Inserted Document: { acknowledged: true, insertedId: '2' }

C:\Users\RDNC\Desktop>node script.js
Connected to MongoDB Server
Inserted Document: { acknowledged: true, insertedId: '1' }
```

```
_id: "2"
name : "Don joe"
age : 23
grades : Array (3)
   0: 90
   1: 85
   2: 92
courses : Array (3)
   0: "Math"
   1: "Science"
   2: "History"
```