

## Exercise for Lecture 16 & 17

### **Lecture 16: Creating/Inserting a document in collection using javascript file**

**Step 1:** Create a javascript file with and save with a name **studentsInfo.js** and then paste the below code in it :

```
db.studentInfo.insert(

    {

        name:{firstName:"John", lastName:"Doe"},

        class:6,

        rollNo: 23,

        subjects:["Maths","Physics","English","Chemistry"],

        attendance: {

            January: "90%",

            February:"85%",

            March:"98%"

        }

    }

);

db.studentInfo.insert(

    {

        name:{firstName:"Sunil", lastName:"Gupta"},

        rollNo: 24,

        subjects:["Maths","Physics","English","Chemistry"],

        attendance: {

            January: "97%%",

            February:"99%",
```

```
        March:"100%"
    }
}
);

db.studentInfo.insert(
{
    name:{firstName:"Jonny", lastName:"Jon"},
    rollNo: 27,
    subjects:["Maths","Physics","English","Chemistry"],
    attendance: {
        January: "87%%",
        February:"99%",
        March:"100%"
    }
}
);
```

**Step 2:** And after saving the file. Load it in **mongo shell** with the below command:

```
> load("d:/ExerciseFiles/lecture 16/studentsInfo.js");
```

if everything works well it will return true.

**Step 3: Check the result with the below commands:**

```
show collections;
```

// this will list all the collections in database including the newly created **studentInfo**

```
db.studentInfo.find().pretty();
```

//this will be returning all the documents inserted into the above collection.

## Lecture 17: Inserting Array of Documents

**Step 1:** Create a javascript file with and save with a name **studentsInfoArray.js** and then paste the below code in it :

```
var studentsInfoArray = [
    {
        name:{firstName: "Sunil",lastName:"Gupta"},
        age: 16,
        subjects:["Maths","Physics","Chemistry"],
        attendance:{
            Jan:"100%",
            Feb:"99%",
            Mar:"100%"
        }
    },
    {
        name:{firstName: "Sunil",lastName:"Gupta"},
        age: 16,
        subjects:["Maths","Physics","Chemistry"],
        attendance:{
            Jan:"100%",
            Feb:"99%",
            Mar:"100%"
        }
    }
]
```

```
name:{firstName: "Alun", lastName:"Hill"},
    age: 12,
    subjects:["Small Business","Medium Business","Journalist"],
    attendance:{
        Jan:"100%",
        Feb:"100%",
        Mar:"100%"
    }
}
];

db.studentsInfoCollection.insert(studentsInfoArray);
```

**Step 2:** And after saving the file. Load it in **mongo shell** with the below command:

```
> load("d:/ExerciseFiles/lecture 17/studentsInfoCollection.js");
```

if everything works well it will return true.

**Step 3: Check the result with the below commands:**

```
show collections;
```

// this will list all the collections in database including the newly created **studentInfo**

```
db.studentsInfoCollection.find().pretty();
```

//this will be returning all the array of documents inserted into the above collection.