Assignment No B4

Title: Database Connectivity:
Write a program to implement Mongo DB database connectivity with any front end language to implement Database navigation operations(add, delete, edit etc.)

Objective: Understand the MongoDB database connectivity with any front end language.

Theory:

Software Required and Steps

• Eclipse
• JDK 1.6
• MongoDB
• MongoDB-Java-Driver

In Eclipse perform following steps:

1. File - New – Java Project –Give Project Name – ok
2. In project Explorer window- right click on project namenew- class- give Class name- ok
3. In project Explorer window- right click on project nameBuild path- Configure build path - Libraries- Add External
Jar - MongoDB-Java-Driver
4. Start Mongo server before running the program

Steps to Write Code in Java:

1. Import packages

```
import com.mongodb.*;
```

2. Create connection

```
MongoClient mongo = new MongoClient( "localhost" , 27017 );
```

3. Create Database

```
DB db = mongo.getDB("database name");
```

4. Insert Document

```
BasicDBObject d1 = new BasicDBObject(“rno“,“1”).append(“name", “Monika"). append(“age", “17”)

coll.insert(d1);
```

5. Display document

```
DBCursor cursor = coll.find();

while (cursor.hasNext())

{

System.out.println(cursor.next());

}
```

6. Update Document

• BasicDBObject query = new BasicDBObject();

• query.put("name", “Monika");

• BasicDBObject newDocument = new BasicDBObject();

• newDocument.put("name", “Ragini");

• BasicDBObject updateObj = new BasicDBObject();

• updateObj.put("$set", newDocument);

• Coll.update(query, updateObj);

7. Remove document

BasicDBObject searchQuery = new BasicDBObject("name", “Monika");

Coll.remove(searchQuery);

Conclusion: We understood the MongoDB database connectivity with any front end language.