Group B: Assignment No : 4

Title of Assignment: Java & Mongo DB database connectivity.

Assignment Name: -. Write a program to implement Mongo DB database connectivity with Front End Language(Java) Implement Database navigation operations (add, delete, edit etc.).

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);