**ASSIGNMENT NO 13**

**(Group B: MongoDB 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);

**Conclusion :**

In this assignment we have studied about database connectivity and successfully connected MongoDB database with Java application.