**Practical No.05**

A] Connecting Java with MongoDB and inserting, retrieving, updating and deleting.

**Code:**

package com.mycompany.mongojava;

import com.mongodb.MongoClient;

import com.mongodb.client.MongoDatabase;

import com.mongodb.client.MongoCollection;

import org.bson.Document;

import java.util.Iterator;

import com.mongodb.client.FindIterable;

import com.mongodb.client.model.Filters;

import com.mongodb.client.model.Updates;

public class pract5

{

public static void main(String args[])

{

MongoClient db=new MongoClient("localhost",27017);

MongoDatabase mydb=db.getDatabase("Sanket");

System.out.println("Connected to the database successfully");

mydb.createCollection("kadam");

System.out.println("Collection created successfully");

MongoCollection<Document> col = mydb.getCollection("kadam");

System.out.println("Collection record selected successfully");

Document d = new Document("id", 01) .append("name", "abc").append("class","TYIT");

col.insertOne(d);

System.out.println("Document inserted successfully");

System.out.println("Document Retrive successfully");

FindIterable<Document> iterDoc = col.find();

Iterator it = iterDoc.iterator();

while (it.hasNext())

{

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

}

System.out.println("Document update successfully");

System.out.println("Document Retrive");

col.updateOne(Filters.eq("id", 01), Updates.set("name","abc xyz"));

FindIterable<Document> iterDoc1 = col.find();

Iterator it1 = iterDoc1.iterator();

while (it1.hasNext())

{

System.out.println(it1.next());

}

System.out.println("Document deleted successfully");

col.deleteOne(Filters.eq("id", 02));

System.out.println("Document Retrive");

FindIterable<Document> iterDoc2 = col.find();

Iterator it2 = iterDoc2.iterator();

while (it2.hasNext())

{

System.out.println(it2.next());

}

}

}

**Output:**







