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| A picture containing drawing, stop, room  Description automatically generated | Next Generation Technologies  Practical #8 | | |
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| **Subject/Course:** | NGT | | |
| **Topic** | Java and MongoDB | | |
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| **Java & MongoDB** | | | |
| **Connecting Java with MongoDB and inserting, retrieving, updating and deleting**  Code in Netbeans  Code for main class  package practical8;  import com.mongodb.MongoClient;  public class Practical8 {  public static void main(String[] args) {  // TODO code application logic here  MongoClient mongo=new MongoClient("Localhost",27017);  System.out.println("Connect to the server successfully");  }  }  **Code for Insert class**  package practical8;  import com.mongodb.MongoClient;  import com.mongodb.client.MongoCollection;  import com.mongodb.client.MongoDatabase;  import org.bson.Document;    public class Insert {  public static void main(String []agrs){  MongoClient mongo=new MongoClient("localhost",27017);  System.out.println("Coonect to the server successfully");   MongoDatabase Database=mongo.getDatabase("mydb");   MongoCollection<Document> collection=Database.getCollection("sampleCollection");  System.out.println("Collection sampleCollection selected successfully");   Document document=new Document("id",1);  document.append("name","abc");  document.append("gender","M");  collection.insertOne(document);  System.out.println("Document insert successfully");  }  }  use mydb  show dbs  show collections  db.sampleCollection.find().pretty()  image  **Code for updated class**  package practical8;  import com.mongodb.BasicDBObject;  import com.mongodb.DB;  import com.mongodb.DBCollection;  import com.mongodb.DBObject;    import com.mongodb.MongoClient;  import com.mongodb.WriteResult;    public class update {  public static void main(String [] args) {  MongoClient mongo=new MongoClient("localhost",27017);  DB db=mongo.getDB("mydb");  DBCollection col=db.getCollection("sampleCollection");  DBObject query=new BasicDBObject("id",1);  DBObject update=new BasicDBObject();  update.put("$set", new BasicDBObject ("name","xyvz"));  WriteResult result=col.update(query,update);  mongo.close();  }}  **Command in mongo**  Use mydb  Show dbs  Show collections  Db.sampleCollections    **Code for delete class**  package practical8;  import com.mongodb.MongoClient;  import com.mongodb.client.MongoCollection;  import com.mongodb.client.MongoDatabase;  import com.mongodb.client.model.Filters;  import org.bson.Document ;  public class delete{  public static void main(String[] args) {    MongoClient mongo=new MongoClient ("localhost ",27017);  System. out.println ("Connect to the server successfully");  MongoDatabase database=mongo.getDatabase("mydb");  MongoCollection<Document> collection=database.getCollection("sampleColleprion");  collection.deleteOne (Filters.eq("1d", 1));  System.out.println ("Document deleted sucosssfully");  }  }  **output**    **Code for show class**  import com.mongodb.MongoClient;  import com.mongodb.client.FindIterable;  import com.mongodb.client.MongoCollection;  import com.mongodb.client.MongoDatabase;  import java.util.Iterator;  import org.bson. Document;  public class show {  public static void main (String[] args) {    MongoClient mongo=new MongoClient("localhost",27017);  System.out.println ("Connect to the server successfully");  MongoDatabase database=mongo.getDatabase("mydb");  MongoCollection<Document> collection=database.getCollection("sampleCollections");  FindIterable<Document> iterDoc=collection.find();  Iterator it=iterDoc.iterator();  while(it.hasNext()){  System.out.println(it.next());  }}}  **Output**  image | | | |
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