

```
import com.mongodb.client.FindIterable;
import com.mongodb.client.MongoCollection;
import com.mongodb.client.MongoDatabase;
import com.mongodb.client.model.Filters;
import com.mongodb.client.model.Updates;
import java.util.Iterator;
import org.bson.Document;
import com.mongodb.MongoClient;
import com.mongodb.MongoCredential;

public class MongoConnect {

    public static void main(String[] args) {

        try
        {

            //Connect to mongodb

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

            // access the database

            MongoDatabase db = mongo.getDatabase("vijdb");

            // Creating a collection

            db.createCollection("students");

            // access the collection

            MongoCollection <Document> collection = db.getCollection("students");

            //insert document into collection
            Document doc = new Document("name", "James");
            doc.append("age", 30)
            doc.append("Branch", "Computer")
            doc.append("city", "Pune")
            doc.append("CGPA", 8.7);

            collection.insertOne(doc);
```

```

// Retrieving all documents from collection

// Getting the iterable object
FindIterable<Document> iterDoc = collection.find();
int i = 1;

// Getting the iterator
Iterator it = iterDoc.iterator();
while (it.hasNext()) {
    System.out.println(it.next());
    i++;
}

// Updating the document
collection.updateOne(Filters.eq("name ", "James"), Updates.set("CGPA",
8.9));

// Deleting the documents
collection.deleteOne(Filters.eq("city", "Pune"));

}

catch(Exception e)
{
    e.printStackTrace();
}

}

```