

Name: Saurav Muke
Class:TE3
Batch:L3

Code:

```
package mongodb;

import java.util.Iterator;
import java.util.Scanner;

import org.bson.Document;

import com.mongodb.MongoClient;
import com.mongodb.MongoCredential;
import com.mongodb.client.FindIterable;
import com.mongodb.client.MongoCollection;
import com.mongodb.client.MongoCursor;
import com.mongodb.client.MongoDatabase;
import com.mongodb.client.model.Filters;
import com.mongodb.client.model.Updates;

public class Main {
    public static void main(String args[]) throws Exception {

        MongoClient mongo = new MongoClient( "10.10.12.108" , 27017 );
        MongoCredential credential;
        credential = MongoCredential.createCredential("t31342",
"mongot31342db","t31342db".toCharArray());
        System.out.println("Connected!");
        MongoDatabase database = mongo.getDatabase("mongot31342db");
        System.out.println("Credentials ::"+ credential);
        MongoCollection<Document> collection = database.getCollection("myCollection");
        System.out.println("Collection myCollection selected successfully");
        while(true) {
            System.out.println("Enter you r chooice !.Insert \n 2.View \n 3.update \n4.Delete");
            Scanner sc= new Scanner(System.in);
            int ch=sc.nextInt();
            switch(ch)
            {

                case 1:
                    System.out.print("Enter Name and Age");
                    String s= sc.next();
                    int age=sc.nextInt();

                    Document document = new Document()
                        .append("name", s)
                        .append("age", age);

                    collection.insertOne(document);
```

```
System.out.println("Documents inserted successfully");
```

```
break;
```

```
case 2:
```

```
System.out.println("Documents in Databse are");
```

```
FindIterable<Document> iterDoc = collection.find();
```

```
int i = 1;
```

```
MongoCursor<Document> it = iterDoc.iterator();
```

```
while (it.hasNext()) {
```

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

```
    i++;
```

```
}
```

```
break;
```

```
case 3:
```

```
System.out.println("Enter age to update");
```

```
age=sc.nextInt();
```

```
System.out.println("Enter the name");
```

```
s=sc.next();
```

```
collection.updateOne(Filters.eq("name", s), Updates.set("age", age));
```

```
System.out.println("Updated now!");
```

```
break;
```

```
case 4:
```

```
System.out.print("Enter the name to be deleted");
```

```
s=sc.next();
```

```
collection.deleteOne(Filters.eq("name", s));
```

```
System.out.println("Deleted 2nd document now!");
```

```
break;
```

```
}
```

```
}
```

```
}
```

```
}
```

Output:

```
Nov 09, 2022 1:20:38 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Cluster created with settings {hosts=[10.10.12.108:27017], mode=SINGLE,
requiredClusterType=UNKNOWN, serverSelectionTimeout='30000 ms', maxWaitQueueSize=500}
Connected!
Credentials ::MongoCredential{mechanism=null, userName='t31342', source='mongot31342db',
password=<hidden>, mechanismProperties=<hidden>}
Collection myCollection selected successfully
Enter you r chooice !.Insert
2.View
3.update
4.Delete
Nov 09, 2022 1:20:38 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Opened connection [connectionId{localValue:1, serverValue:314}] to 10.10.12.108:27017
Nov 09, 2022 1:20:38 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Monitor thread successfully connected to server with description
ServerDescription{address=10.10.12.108:27017, type=STANDALONE, state=CONNECTED,
ok=true, version=ServerVersion{versionList=[2, 6, 3]}, minWireVersion=0, maxWireVersion=2,
maxDocumentSize=16777216, logicalSessionTimeoutMinutes=null,
roundTripTimeNanos=1553345}
1
Enter Name and AgeSatyajee
19
Nov 09, 2022 1:21:02 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Opened connection [connectionId{localValue:2, serverValue:315}] to 10.10.12.108:27017
Documents inserted successfully
Enter you r chooice !.Insert
2.View
3.update
4.Delete
2
Documents in Databse are
Document{ {_id=6368d107640e8d466dfb061e, name=Sahil, age=15}}
Document{ {_id=6368d12ac369262639f67760, name=Saurav, age=15}}
Document{ {_id=6368d3614f32f8244e536a9f, name=Saurav, age=20}}
Document{ {_id=636b5b5d8bc19a60c7fd73dc, name=saurav, age=20}}
Document{ {_id=636b5be687510874df55769c, name=Satyajee, age=19}}
Enter you r chooice !.Insert
2.View
3.update
4.Delete
3
Enter age to update
20
Enter the name
Satyajee
Updated now!
Enter you r chooice !.Insert
2.View
3.update
```

4.Delete

2

Documents in Databse are

Document{ {_id=6368d107640e8d466dfb061e, name=Sahil, age=15}}

Document{ {_id=6368d12ac369262639f67760, name=Saurav, age=15}}

Document{ {_id=6368d3614f32f8244e536a9f, name=Saurav, age=20}}

Document{ {_id=636b5b5d8bc19a60c7fd73dc, name=saurav, age=20}}

Document{ {_id=636b5be687510874df55769c, name=Satyajeet, age=20}}

Enter you r chooice !.Insert

2.View

3.update

4.Delete

4

Enter the name to be deletedSaurav

Deleted 2nd document now!

Enter you r chooice !.Insert

2.View

3.update

4.Delete

2

Documents in Databse are

Document{ {_id=6368d107640e8d466dfb061e, name=Sahil, age=15}}

Document{ {_id=6368d3614f32f8244e536a9f, name=Saurav, age=20}}

Document{ {_id=636b5b5d8bc19a60c7fd73dc, name=saurav, age=20}}

Document{ {_id=636b5be687510874df55769c, name=Satyajeet, age=20}}

Enter you r chooice !.Insert

2.View

3.update

4.Delete