package mongoconnect;

import java.net.UnknownHostException;

import java.util.Scanner;

import com.mongodb.BasicDBObject;

import com.mongodb.DB;

import com.mongodb.DBCollection;

import com.mongodb.DBCursor;

import com.mongodb.MongoClient;

public class mongocon {

public static void main(String[] args) throws UnknownHostException {

int rno,mk,rn,choice,c;

String name,n1,n2,s1;

Scanner sc=new Scanner(System.in);

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

System.out.println("System connected successfully");

DB db=mongo.getDB("shashank");

DBCollection table=db.getCollection("student\_table");

do

{

System.out.println("Enter ur choice \n1.Insert\n2.Delete\n3.Update\n4.Search\n5.Display");

choice=sc.nextInt();

switch(choice)

{

case 1:

{

BasicDBObject stud=new BasicDBObject();

System.out.println("Enter roll no");

rno=sc.nextInt();

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

name=sc.next();

System.out.println("Enter marks");

mk=sc.nextInt();

stud.put("rollno",rno);

stud.put("name", name);

stud.put("marks", mk);

table.insert(stud);

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

break;

}

case 2:

{

BasicDBObject query=new BasicDBObject();

System.out.println("Enter roll no u want to delete");

rn=sc.nextInt();

query.put("rollno",rn);

table.remove(query);

System.out.println("Removed successfully ");

break;

}

case 3:

{

BasicDBObject query1=new BasicDBObject();

System.out.println("Enter name to be updated");

n1=sc.next();

query1.put("name",n1);

System.out.println("Enter updated name");

n2=sc.next();

BasicDBObject query2=new BasicDBObject();

query2.put("name",n2);

BasicDBObject updated=new BasicDBObject();

updated.put("$set",query2);

table.update(query1, updated);

System.out.println("Update Successful");

break;

}

case 4:

{

BasicDBObject searchQuery=new BasicDBObject();

System.out.println("Enter the name you want to search");

s1=sc.next();

searchQuery.put("name", s1);

DBCursor cursor= table.find(searchQuery);

while(cursor.hasNext())

{

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

}

break;

}

case 5:

{

System.out.println("All data");

DBCursor cursor=table.find();

while(cursor.hasNext())

{

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

}

}

break;

}

System.out.println("Do u want to continue press1");

c=sc.nextInt();

}while(c==1);

}

};

**OUTPUT**

System connected successfully

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

1

Enter roll no

1

Enter name

shashank

Enter marks

80

inserted successfully

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

1

Enter roll no

2

Enter name

prajwal

Enter marks

85

inserted successfully

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

1

Enter roll no

3

Enter name

ankit

Enter marks

70

inserted successfully

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

1

Enter roll no

4

Enter name

vishal

Enter marks

75

inserted successfully

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

2

Enter roll no u want to delete

4

Removed successfully

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

3

Enter name to be updated

shashank

Enter updated name

urja

Update Successful

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

4

Enter the name you want to search

prajwal

{ "\_id" : { "$oid" : "5bae6a36ba784c588c2e8765"} , "rollno" : 2 , "name" : "prajwal" , "marks" : 85}

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

4

Enter the name you want to search

shashank

Do u want to continue press1

1

Enter ur choice

1.Insert

2.Delete

3.Update

4.Search

5.Display

5

All data

{ "\_id" : { "$oid" : "5bae6a1cba784c588c2e8764"} , "rollno" : 1 , "name" : "urja" , "marks" : 80}

{ "\_id" : { "$oid" : "5bae6a36ba784c588c2e8765"} , "rollno" : 2 , "name" : "prajwal" , "marks" : 85}

{ "\_id" : { "$oid" : "5bae6a42ba784c588c2e8766"} , "rollno" : 3 , "name" : "ankit" , "marks" : 70}

Do u want to continue press1

[root@localhost shashank]# service mongod start

Redirecting to /bin/systemctl start mongod.service

[root@localhost shashank]# mongo

MongoDB shell version v3.6.6

connecting to: mongodb://127.0.0.1:27017

MongoDB server version: 3.6.6

> show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

s1 0.000GB

s2 0.000GB

s3 0.000GB

student 0.000GB

sv 0.000GB

> use shashank

switched to db shashank

> db.createCollection("student\_table")

{ "ok" : 1 }

> db.student\_table.find().pretty();

> db.student\_table.find().pretty();

{

"\_id" : ObjectId("5bae6a1cba784c588c2e8764"),

"rollno" : 1,

"name" : "shashank",

"marks" : 80

}

> db.student\_table.find().pretty();

{

"\_id" : ObjectId("5bae6a1cba784c588c2e8764"),

"rollno" : 1,

"name" : "shashank",

"marks" : 80

}

{

"\_id" : ObjectId("5bae6a36ba784c588c2e8765"),

"rollno" : 2,

"name" : "prajwal",

"marks" : 85

}

{

"\_id" : ObjectId("5bae6a42ba784c588c2e8766"),

"rollno" : 3,

"name" : "ankit",

"marks" : 70

}

{

"\_id" : ObjectId("5bae6a56ba784c588c2e8767"),

"rollno" : 4,

"name" : "vishal",

"marks" : 75

}

> db.student\_table.find().pretty();

{

"\_id" : ObjectId("5bae6a1cba784c588c2e8764"),

"rollno" : 1,

"name" : "shashank",

"marks" : 80

}

{

"\_id" : ObjectId("5bae6a36ba784c588c2e8765"),

"rollno" : 2,

"name" : "prajwal",

"marks" : 85

}

{

"\_id" : ObjectId("5bae6a42ba784c588c2e8766"),

"rollno" : 3,

"name" : "ankit",

"marks" : 70

}

> db.student\_table.find().pretty();

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"\_id" : ObjectId("5bae6a1cba784c588c2e8764"),

"rollno" : 1,

"name" : "urja",

"marks" : 80

}

{

"\_id" : ObjectId("5bae6a36ba784c588c2e8765"),

"rollno" : 2,

"name" : "prajwal",

"marks" : 85

}

{

"\_id" : ObjectId("5bae6a42ba784c588c2e8766"),

"rollno" : 3,

"name" : "ankit",

"marks" : 70

}

> db.student\_table.find().pretty();

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"\_id" : ObjectId("5bae6a1cba784c588c2e8764"),

"rollno" : 1,

"name" : "urja",

"marks" : 80

}

{

"\_id" : ObjectId("5bae6a36ba784c588c2e8765"),

"rollno" : 2,

"name" : "prajwal",

"marks" : 85

}

{

"\_id" : ObjectId("5bae6a42ba784c588c2e8766"),

"rollno" : 3,

"name" : "ankit",

"marks" : 70

}

>