Group C : Lab Assignment no. 14

Title : Write a program to implement MogoDB database connectivity with PHP/ python/Java Implement Database navigation operations (add, delete, edit etc.) using ODBC/JDBC.

```
import java.net.UnknownHostException;
import java.util.Scanner;
import com.mongodb.*;
public class DatabaseConnectivity {
private static void choice_input(){
System.out.println("\n1.insert data into database\n2.update
database
documents\n3.delete database documents\n4.show database
collections\n5.Exit");
}
public static void main(String[] args) {
String key, value;
Scanner scanner = new Scanner(System.in);
int choice;
try {
Mongo mongo = new Mongo("localhost", 27017);
DB db = mongo.getDB("myDb");
DBCollection collection = db.getCollection("dummyColl");
do{
choice_input();
System.out.println("Enter your choice: ");
choice = scanner.nextInt();switch (choice){
case 1:
BasicDBObject document = new BasicDBObject();
String ch;
do{
System.out.println("Enter key: ");
key = scanner.next();
System.out.println("Enter value: ");
value = scanner.next();
```

```
document.put(key, value);
System.out.println("Do you want to enter more(y/n)? ");
ch = scanner.next();
} while (!ch.equals("n"));
collection.insert(document);
break;
case 2:
BasicDBObject searchObj = new BasicDBObject();
System.out.println("Enter searched key: ");
key = scanner.next();
System.out.println("Enter searched value: ");
value = scanner.next();
searchObj.put(key, value);
BasicDBObject newObj = new BasicDBObject();
System.out.println("Enter new key: ");
key = scanner.next();
System.out.println("Enter new value: ");
value = scanner.next();
newObj.put(key, value);
collection.update(searchObj, newObj);
break;
case 3:
System.out.println("Enter removable key: ");key = scanner.next();
System.out.println("Enter removable value: ");
value = scanner.next();
BasicDBObject removableObj = new BasicDBObject();
removableObj.put(key, value);
collection.remove(removableObj);
break;
case 4:
DBCursor cursorDoc = collection.find();
while (cursorDoc.hasNext()) {
System.out.println(cursorDoc.next());
}
break;
case 5:
System.exit(0);
break;
}
} while(choice != 6);
} catch (UnknownHostException | MongoException e) {
e.printStackTrace();
}
}
}
```

---------- Output ----------

```
1.insert data into database
2.update database documents
3.delete database documents
4.show database collections
5.Exit
Enter your choice:
1
Enter key:2
Enter value:
harish
Do you want to enter more(y/n)?
N
1.insert data into database
2.update database documents
3.delete database documents
4.show database collections
5.Exit
Enter your choice:
2
Enter searched key:
2
Enter searched value:
harish
Enter new key:
1
Enter new value:
Sam
1.insert data into database
2.update database documents
3.delete database documents
4.show database collections
5.Exit
Enter your choice:
4{
"_id" : { "$oid" : "5bb453bce4b0283ac9d3205d"} , "1" : "sam"}
1.insert data into database
2.update database documents
3.delete database documents
4.show database collections5.Exit
Enter your choice:
3
Enter removable key:
```

3
Enter removable value:
hari
1.insert data into database
2.update database documents
3.delete database documents
4.show database collections
5.Exit
Enter your choice:
4{
"_id" : { "$oid" : "5bb453bce4b0283ac9d3205d"} , "1" : "sam"}
1.insert data into database
2.update database documents
3.delete database documents
4.show database collections
5.Exit
Enter your choice:
5