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**.**

Input:

```
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