**Group B**

**Assignment No: 4**

**Class: T.E.Computer RollNo:**

**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