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**Batch:- T4**

## Group B:- Practical No. 04

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

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```
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