Group C - 1
Problem Statement:
Write a program to implement MongoDB database connectivity with PHP/
python/Java Implement Database navigation operations (add, delete, edit etc.) using ODBC/JDBC.

```
packagejavaconnectivity;

import java.io.*; importcom.mongodb.*;
public class assc1
{
public static void main(String[] args)
{
BufferedReaderbr=new BufferedReader(new InputStreamReader(System.in));
String s;
DBCollection col1;
try
{
    String ans; int ch;
do {
System.out.println("Collection on MongoDb database using Java");
System.out.println("----------------------------------------"); System.out.println("1.Insert a data into a
collection");
System.out.println("2.Retrieve all data from collection");
System.out.println("3.Update data from the collection");
System.out.println("4.Delete data from the database");

System.out.println("Enter your choice");

  ch=Integer.parseInt(br.readLine());

MongoClient client1=new MongoClient("localhost",3306);
DB mydb=client1.getDB("studb");

System.out.println("connected to database successfully"); switch(ch)
{
case 1:
String key, value;
String ans1;
System.out.println("Enter the key value pair:"); key=br.readLine(); value=br.readLine();
```

```java
BasicDBObjectobj=new BasicDBObject(key,value); System.out.println("do u want add more key value pairs"); ans1=br.readLine();
while(ans1.equals("Y")|| ans1.equals("y"))
{
System.out.println("Enter the key value pair:"); key=br.readLine();
value=br.readLine(); obj.append(key,value);
System.out.println("do u want add more key value pairs");
ans1=br.readLine();
}
col1=mydb.getCollection("STUDENT"); col1.insert(obj);
System.out.println("Document inserted successfully.."); break;

case 2:
col1=mydb.getCollection("STUDENT");
DBCursor cur=col1.find();
while(cur.hasNext())
{
System.out.println(cur.next());
}
break;

case 3: col1=mydb.getCollection("STUDENT");

String rollno;
String m;
System.out.println("Enter the rollno of Student to update marks:"); rollno=br.readLine();
System.out.println("Enter the new marks:"); m=br.readLine();
BasicDBObjectnewDocument=new BasicDBObject();
newDocument.append("$set",newBasicDBObject().append("marks",m));
BasicDBObjectSearchQuery=new BasicDBObject().append("rollno",rollno);
col1.update(SearchQuery,newDocument); System.out.println("Document updated"); break;
case 4: col1=mydb.getCollection("STUDENT");
System.out.println("Enter the roll no of Student whose document to be deleted");
String rollno1=br.readLine();
BasicDBObject doc=new BasicDBObject();
doc.put("rollno",rollno1); col1.remove(doc);
```

```
System.out.println("Document deleted"); break;
}
System.out.println("Do u want to continue?(y/n)");
s=br.readLine();
}
while(s.equals("Y")|| s.equals("y"));
}
catch(Exception e)
  {
     System.out.println("Exception Occured ! ");
  }
}
}
```

****
Output :

Collection on MongoDb database using Java

1.Insert a data into a collection
2.Retrive all data from collection
3.Update data from the collection
4.Delete data from the database
Enter your choice 1
connected to database successfully

Enter the key value pair:
rollno 8

do u want add more key value pairs y
Enter the key value pair:
name Ace
do u want add more key value pairs y
Enter the key value pair:
marks 78
do u want add more key value pairs n

Document inserted successfully..

Do u want to continue?(y/n) y
Collection on MongoDb database using Java
1.Insert a data into a collection
2.Retrieve all data from collection
3.Update data from the collection
4.Delete data from the database
E`nter your choice
1
connected to database successfully Enter the key value pair: rollno 10

do u want add more key value pairs
y
Enter the key value pair:
name Luffy
do u want add more key value pairs
y
Enter the key value pair:
marks 75

do u want add more key value pairs n
Document inserted successfully..
Do u want to continue?(y/n) Y

Collection on MongoDb database using Java

1.Insert a data into a collection
2.Retrieve all data from collection
3.Update data from the collection
4.Delete data from the database

Enter your choice
2
connected to database successfully

{ "_id" : { "$oid" : "59cbf7f8c9ea0c122cc3c1ce"} , "rollno" : "8" , "name" : "Ace" , "marks" : "78"}
{ "_id" : { "$oid" : "59cbf83fc9ea0c122cc3c1d0"} , "rollno" : "10" , "name" : "Luffy" , "marks" : "75"}

Do u want to continue?(y/n) Y
Collection on MongoDb database using Java

1.Insert a data into a collection
2.Retrieve all data from collection
3.Update data from the collection
4.Delete data from the database
Enter your choice
3

connected to database successfully Enter the rollno of Student to update marks: 4

Enter the new marks:
56
Document updated
Do u want to continue?(y/n)
Y
Collection on MongoDb database using Java
---1.Insert a data into a collection
2.Retrieve all data from collection
3.Update data from the collection
4.Delete data from the database

Enter your choice
4
connected to database successfully
Enter the roll no of Student whose document to be deleted
4
Document deleted

Do u want to continue?(y/n) Y

Collection on MongoDb database using Java
---1.Insert a data into a collection
2.Retrieve all data from collection
3.Update data from the collection
4.Delete data from the database

Enter your choice
2
connected to database successfully
{ "_id" : { "$oid" : "59cbf7f8c9ea0c122cc3c1ce"} , "rollno" : "1" , "name" : "Ace" , "marks" : "78"}
Do u want to continue?(y/n)