Database connectivity CRUD with MongoDB:

1) **Python code:**

```
from ast import main
def get_database():
    from pymongo import MongoClient
    import pymongo

    # Mongodb atlas url to connect python to mongodb using pymongo
    CONNECTION_STRING = "mongodb://localhost:27017"

    # Create a connection using MongoClient. You can import MongoClient or use
pymongo.MongoClient
    from pymongo import MongoClient
    client = MongoClient(CONNECTION_STRING)

    # Create the database for our example (we will use the same database
throughout the tutorial
    return client["Company"]

# This is added so that many files can reuse the function get_database()
if __name__ == "__main__":

    # Get the database
    dbname = get_database()

    collection_name = dbname["Employee"]#Creating the database employee
    def check(field):
        if field == "-":
            return False
        else :
            return True

    def checkint(field):
        if field == 0:
            return False
        else :
            return True
```

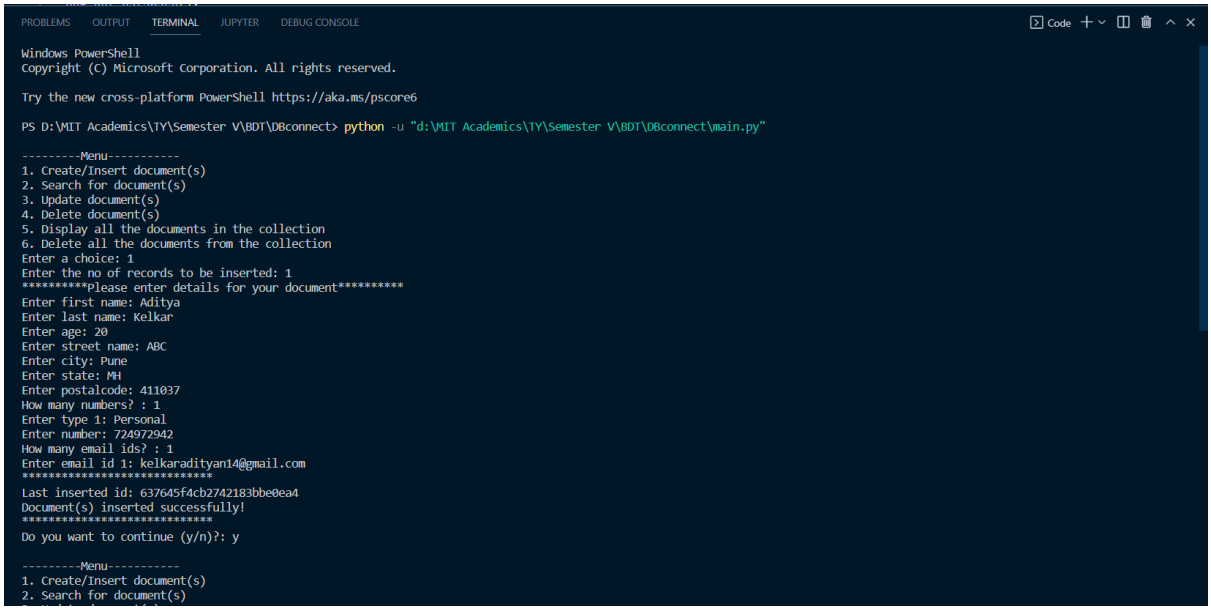
```
def accept():
        document={}
        fn = input("Enter first name: ")
        if check(fn):
            document["firstName"] = fn
        ln = input("Enter last name: ")
        if check(ln):
            document["lastName"] = ln
        age= int(input("Enter age: "))
        if checkint(age):
            document["age"] = age

        address={}
        street = input("Enter street name: ")
        if check(street):
            address["streetAddress"] = street
        city = input("Enter city: ")
        if check(city):
            address["city"] = city
        state = input("Enter state: ")
        if check(state):
            address["state"] = state
        postal_code = input("Enter postalcode: ")
        if check(postal_code):
            address["postalCode"] = postal_code
        if address:
            document["address"]=address

        phoneNumber=[]
        num = int(input("How many numbers? : "))
        if num != 0:
            for i in range(num):
                record={}
                Type=input(f"Enter type {i+1}: ")
                number=input(f"Enter number: ")
                record["type"]=Type
                record["number"]=number
                phoneNumber.append(record)
            document["phoneNumber"]=phoneNumber

        emailids=[]
        num1 = int(input("How many email ids? : "))
        if num1 != 0:
            for j in range(num1):
                email = input(f"Enter email id {j+1}: ")
                emailids.append(email)
            document["emailAddress"]=emailids
```

```
            return document

    def create(n):
        if n == 1:
            print("**********Please enter details for your document**********
")
            retrieved_doc = accept()
            x=collection_name.insert_one(retrieved_doc)
            last_inserted_id = x.inserted_id
            print("****************************")
            print("Last inserted id: {}".format(last_inserted_id))

        elif n > 1:
            doc_list=[]
            for doc in range(n):
                print(f"\n***********Please enter the details for document
{doc+1}*****************")
                retrieved_doc =accept()
                doc_list.append(retrieved_doc)
            y=collection_name.insert_many(doc_list)
            last_inserted_ids = y.inserted_ids
            print("****************************")
            print("Last inserted ids: {}".format(last_inserted_ids))



    def search(n):
        print("Please enter the fields by which you want to search the
document!")
        query = accept()
        if n == "all":
            result=collection_name.find(query)
            for i in result:
                print(i)
        else:
            k = int(n)
            result=collection_name.find(query).limit(k)
            for i in result:
                print(i)

    def update():
        x =input("Update one or many?: ")
        print("***********Enter the details of the document that you wish to
update********")
        present_data = accept()
        print("***********Enter the new details********")
        new_data = accept()
        if x == "many":
```

```
            um = collection_name.update_many(present_data,{"$set":new_data})
            print("*****************************")
            print(um.modified_count,"documents updated")
        else:
            uo=collection_name.update_one(present_data,{"$set":new_data})
            print("*****************************")
            print(uo.modified_count,"document updated")

    def delete():
        y =input("Delete one or many?: ")
        print("***********Enter the details of the document that you wish to
delete********")
        query = accept()
        if y == "many":
            dm =collection_name.delete_many(query)
            print(dm.deleted_count,"documents deleted")
        else:
            do=collection_name.delete_one(query)
            print(do.deleted_count,"document deleted")

    ans = "y"

    while ans == "y":
        print("\n---------Menu----------")
        print("1. Create/Insert document(s)")
        print("2. Search for document(s)")
        print("3. Update document(s)")
        print("4. Delete document(s)")
        print("5. Display all the documents in the collection")
        print("6. Delete all the documents from the collection")
        choice = int(input("Enter a choice: "))
        if choice == 1:
            val = int(input("Enter the no of records to be inserted: "))
            create(val)
            print("Document(s) inserted successfully!")
            print("*****************************")
        elif choice == 2:
            val = input("Enter the no of records to be searched(type all if
you want to display all the docs),else type the number of docs you want to
search for: ")
            search(val)
        elif choice == 3:
            update()
        elif choice == 4:
            delete()
        elif choice == 5:
            result = collection_name.find()
            for i in result:
```

```
                print(i)
        elif choice == 6:
            x = collection_name.delete_many({})
            print(x.deleted_count, "documents deleted.")
        else:
            print("Invalid input")
        ans = input("Do you want to continue (y/n)?: ")
    print("Exited Successfully!")
```

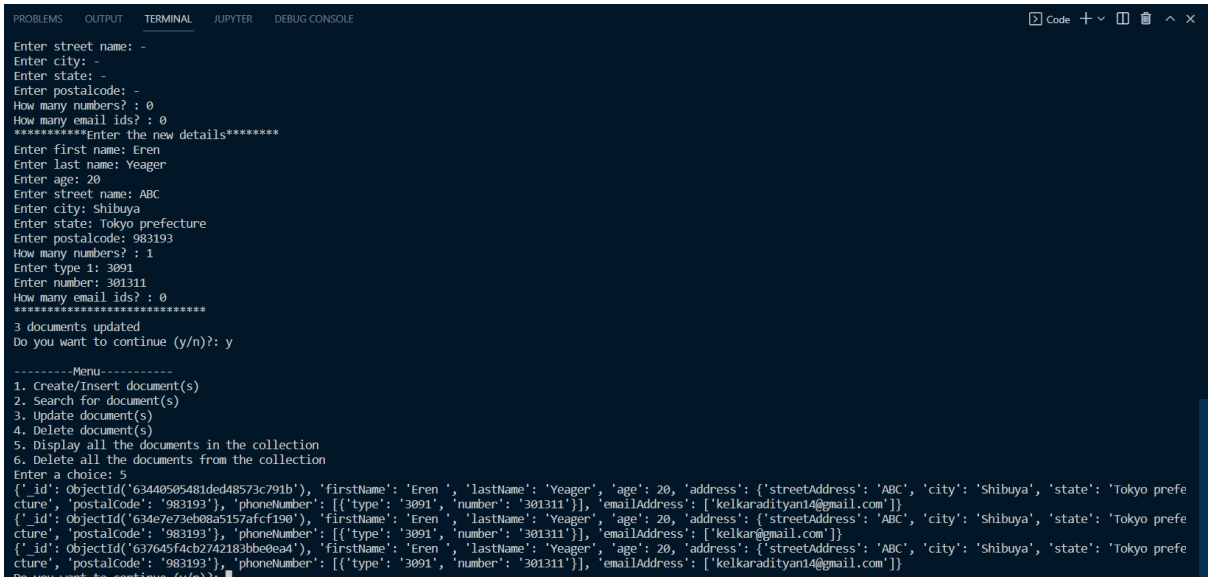
Output:

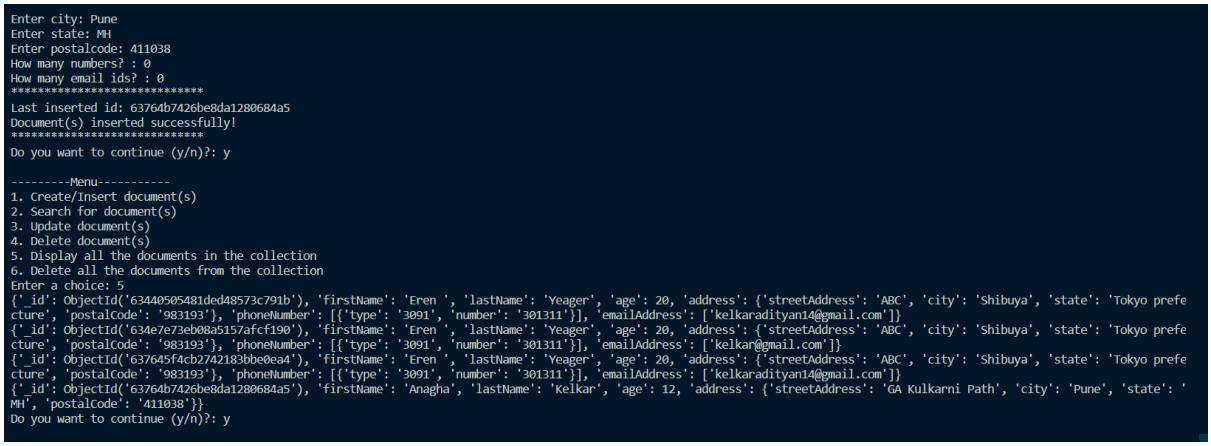


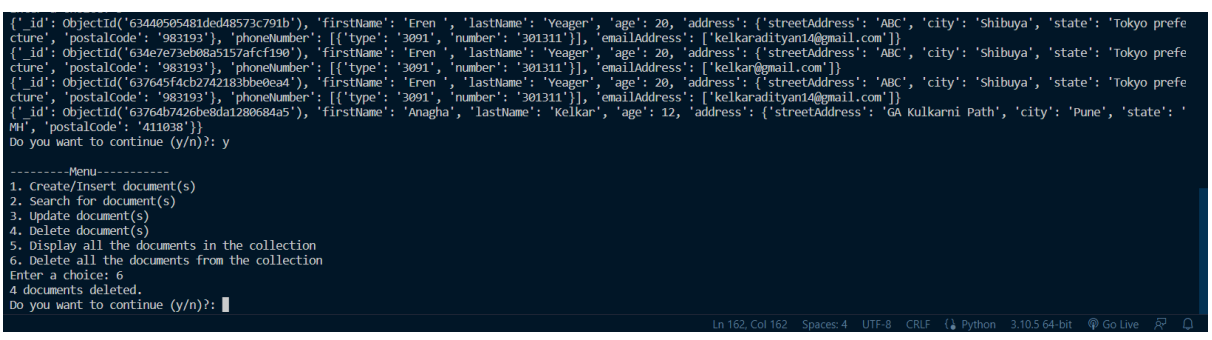
```
Do you want to continue (y/n)?: y

---------Menu----------
1. Create/Insert document(s)
2. Search for document(s)
3. Update document(s)
4. Delete document(s)
5. Display all the documents in the collection
6. Delete all the documents from the collection
Enter a choice: 2
Enter the no of records to be searched(type all if you want to display all the docs),else type the number of docs you want to search for: all
Please enter the fields by which you want to search the document!
Enter first name: Aditya
Enter last name: -
Enter age: 0
Enter street name: -
Enter city: -
Enter state: -
Enter postalcode: -
How many numbers? : 0
How many email ids? : 0
{'_id': ObjectId('63440505481ded48573c791b'), 'firstName': 'Aditya', 'lastName': 'Kelkar', 'age': 20, 'address': {'streetAddress': 'GA Kulkarni Path', 'city': 'Pune', 'state': '
Maharashtra', 'postalCode': '411038'}, 'phoneNumber': [{'type': 'Personal', 'number': '8380893051'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
{'_id': ObjectId('634e7e73eb08a5157afcf190'), 'firstName': 'Aditya', 'lastName': 'Kelkar', 'age': 20, 'address': {'streetAddress': 'GA', 'city': 'Pune', 'state': 'MH', 'postalCo
de': '411038'}, 'phoneNumber': [{'type': 'Personal', 'number': '8380893051'}], 'emailAddress': ['kelkar@gmail.com']}
{'_id': ObjectId('637645f4cb2742183bbe0ea4'), 'firstName': 'Aditya', 'lastName': 'Kelkar', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Pune', 'state': 'MH', 'postalC
ode': '411037'}, 'phoneNumber': [{'type': 'Personal', 'number': '724972942'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
Do you want to continue (y/n)?:
```

PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE

```
0 document updated
Do you want to continue (y/n)?: y

---------Menu----------
1. Create/Insert document(s)
2. Search for document(s)
3. Update document(s)
4. Delete document(s)
5. Display all the documents in the collection
6. Delete all the documents from the collection
Enter a choice: 3
Update one or many?: many
**********Enter the details of the document that you wish to update*******
Enter first name: Aditya
Enter last name: Kelkar
Enter age: 20
Enter street name: -
Enter city: -
Enter state: -
Enter postalcode: -
How many numbers? : 0
How many email ids? : 0
**********Enter the new details*******
Enter first name: Eren
Enter last name: Yeager
Enter age: 20
Enter street name: ABC
Enter city: Shibuya
Enter state: Tokyo prefecture
Enter postalcode: 983193
How many numbers? : 1
Enter type 1: 3091
Enter number: 301311
How many email ids? : 0
**************************
3 documents updated
Do you want to continue (y/n)?:
```


PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
Code
Enter street name: -
Enter city: -
Enter state: -
Enter postalcode: -
How many numbers? : 0
How many email ids? : 0
**********Enter the new details*******
Enter first name: Eren
Enter last name: Yeager
Enter age: 20
Enter street name: ABC
Enter city: Shibuya
Enter state: Tokyo prefecture
Enter postalcode: 983193
How many numbers? : 1
Enter type 1: 3091
Enter number: 301311
How many email ids? : 0
****
3 documents updated
Do you want to continue (y/n)?: y
---------Menu----------
1. Create/Insert document(s)
2. Search for document(s)
3. Update document(s)
4. Delete document(s)
5. Display all the documents in the collection
6. Delete all the documents from the collection
Enter a choice: 5
{'_id': ObjectId('63440505481ded48573c791b'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
{'_id': ObjectId('634e7e73eb08a5157afcf190'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkar@gmail.com']}
{'_id': ObjectId('637645f4cb2742183bbe0ea4'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkaradityan14@gmail.com']}


Enter city: Pune
Enter state: MH
Enter postalcode: 411038
How many numbers? : 0
How many email ids? : 0
****
Last inserted id: 63764b7426be8da1280684a5
Document(s) inserted successfully!
****
Do you want to continue (y/n)?: y
---------Menu----------
1. Create/Insert document(s)
2. Search for document(s)
3. Update document(s)
4. Delete document(s)
5. Display all the documents in the collection
6. Delete all the documents from the collection
Enter a choice: 5
{'_id': ObjectId('63440505481ded48573c791b'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
{'_id': ObjectId('634e7e73eb08a5157afcf190'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkar@gmail.com']}
{'_id': ObjectId('637645f4cb2742183bbe0ea4'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
{'_id': ObjectId('63764b7426be8da1280684a5'), 'firstName': 'Anagha', 'lastName': 'Kelkar', 'age': 12, 'address': {'streetAddress': 'GA Kulkarni Path', 'city': 'Pune', 'state': '
MH', 'postalCode': '411038'}}
Do you want to continue (y/n)?: y


{'_id': ObjectId('63440505481ded48573c791b'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
{'_id': ObjectId('634e7e73eb08a5157afcf190'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkar@gmail.com']}
{'_id': ObjectId('637645f4cb2742183bbe0ea4'), 'firstName': 'Eren ', 'lastName': 'Yeager', 'age': 20, 'address': {'streetAddress': 'ABC', 'city': 'Shibuya', 'state': 'Tokyo prefe
cture', 'postalCode': '983193'}, 'phoneNumber': [{'type': '3091', 'number': '301311'}], 'emailAddress': ['kelkaradityan14@gmail.com']}
{'_id': ObjectId('63764b7426be8da1280684a5'), 'firstName': 'Anagha', 'lastName': 'Kelkar', 'age': 12, 'address': {'streetAddress': 'GA Kulkarni Path', 'city': 'Pune', 'state': '
MH', 'postalCode': '411038'}}
Do you want to continue (y/n)?: y
---------Menu----------
1. Create/Insert document(s)
2. Search for document(s)
3. Update document(s)
4. Delete document(s)
5. Display all the documents in the collection
6. Delete all the documents from the collection
Enter a choice: 6
4 documents deleted.
Do you want to continue (y/n)?:
Ln 162, Col 162 Spaces: 4 UTF-8 CRLF Python 3.10.5 64-bit Go Live

2) Java code

```
import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;
import org.bson.Document;
import com.mongodb.*;
import com.mongodb.client.MongoCollection;
import com.mongodb.client.MongoDatabase;


public class MongoClass
{

        public static BasicDBObject getInfo()
        {
                Scanner sc = new Scanner(System.in);
                int age,postalCode;
    String fname,lname,streetAddress,city,state;
    System.out.print("Enter first name:");
    fname = sc.next();
    System.out.print("Enter last name:");
    lname = sc.next();
    System.out.print("Enter age:");
    age = sc.nextInt();
    BasicDBObject d1 = new BasicDBObject("fname",fname).append("lname",
lname).append("age", age);

    System.out.print("Enter street address:");
    streetAddress = sc.next();
    System.out.print("Enter city:");
    city= sc.next();
    System.out.print("Enter state:");
    state = sc.next();
    System.out.print("Enter postalCode:");
    postalCode = sc.nextInt();
    BasicDBObject d2 = new BasicDBObject("streetAddress",streetAddress).append("city",
city).append("state", state).append("postalCode", postalCode);
    d1.put("address", d2);

    BasicDBList phoneNumber = new BasicDBList();
    int n1;
    System.out.print("How many phone numbers?: ");
    n1 = sc.nextInt();
    for(int i=0;i<n1;i++)
    {
        String type, number;
        System.out.print("--------Number "+ (i+1) + "--------\n");
```

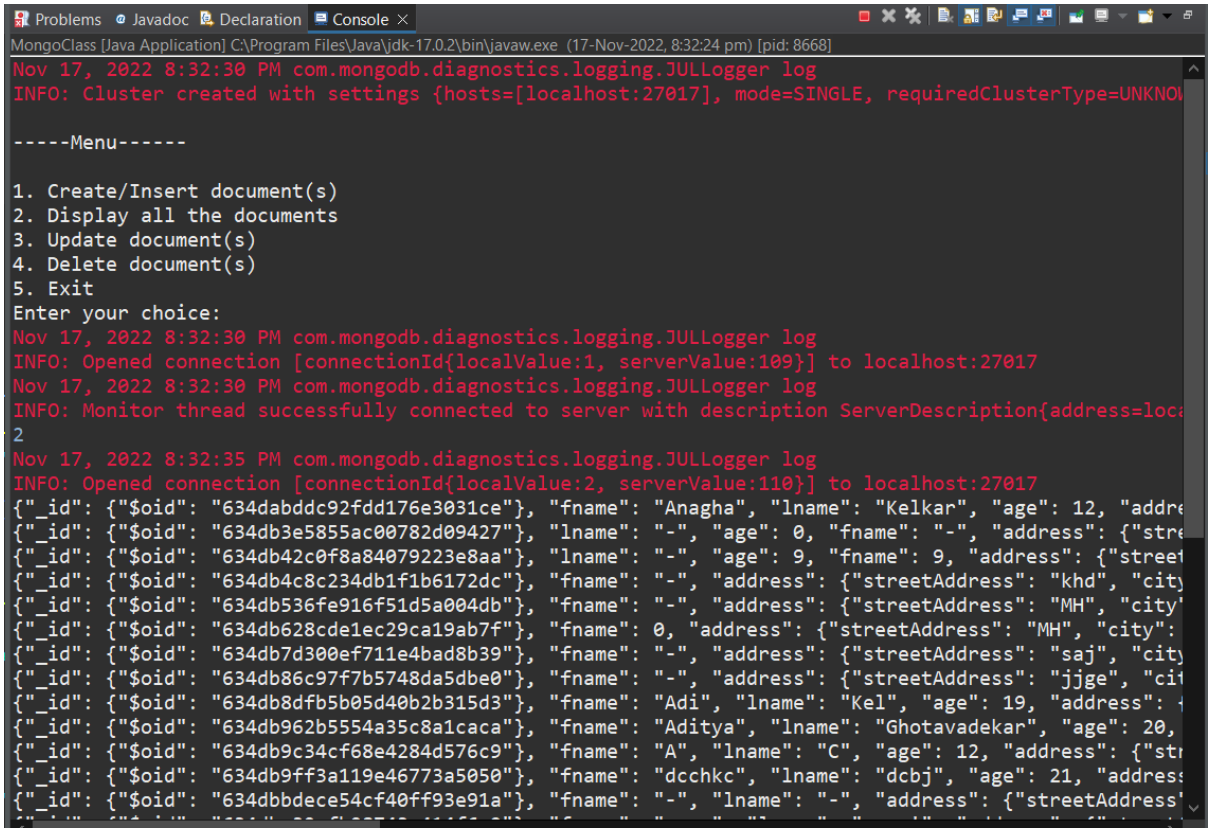
```
            System.out.print("Enter type:");
            type = sc.next();
            System.out.print("Enter number:");
           number = sc.next();
           BasicDBObject d3 = new BasicDBObject("type",type).append("number", number);
           phoneNumber.add(d3);
        }
        d1.put("phoneNumber", phoneNumber);

        BasicDBList emailAddress = new BasicDBList();
        int n2;
        System.out.print("How many emails?: ");
        n2 = sc.nextInt();
        for(int i=0;i<n2;i++)
        {
            System.out.print("--------Email "+ (i+1) + "--------\n");
            String email;
            System.out.print("Enter email: ");
            email = sc.next();
            emailAddress.add(email);
        }
        d1.put("emailAddress", emailAddress);
        return d1;
              }



            public static void main(String[] args)
            {
        Scanner sc = new Scanner(System.in);
                try
                {
                        MongoClient mongo = new MongoClient( "localhost" , 27017 );
                        DB db = mongo.getDB("Company1");
                        DBCollection coll1 = db.getCollection("Employee1");
                        MongoDatabase database = mongo.getDatabase("Company1");
                        MongoCollection<Document> coll2 =
database.getCollection("Employee1");

                while(true)
                {

                        int choice;
                        System.out.println("\n-----Menu------\n");
                        System.out.println("1. Create/Insert document(s)");
                        System.out.println("2. Display all the documents");
                        System.out.println("3. Update document(s)");
```

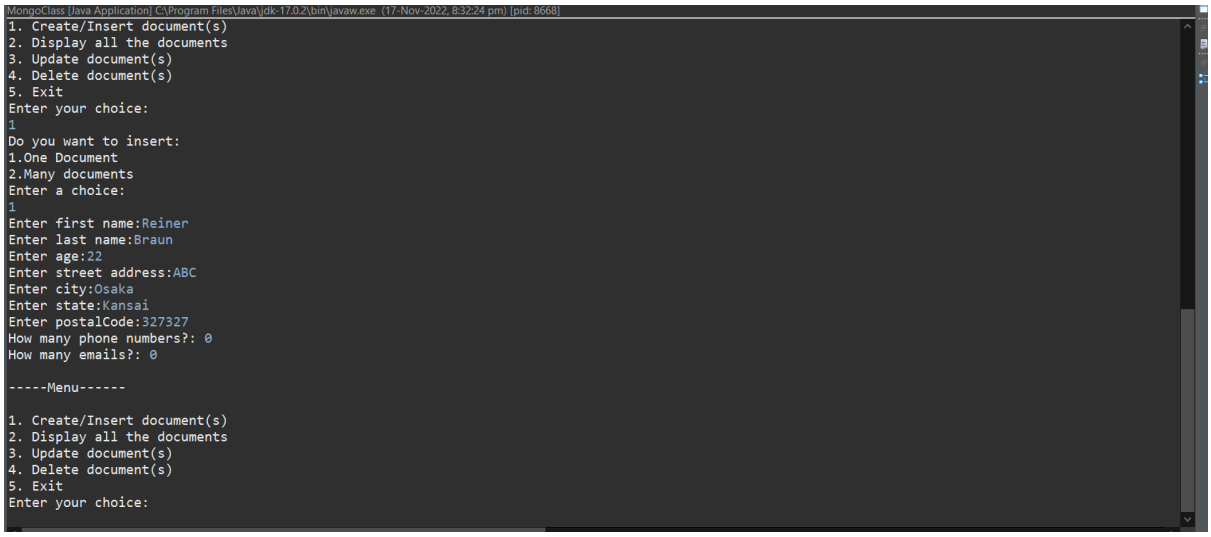
```
                System.out.println("4. Delete document(s)");
                System.out.println("5. Exit");
                System.out.println("Enter your choice: ");
                choice=sc.nextInt();
                switch(choice)
                {
            case 1:
             int ch;
             System.out.println("Do you want to insert: \n1.One Document \n2.Many
documents \nEnter a choice: ");
             ch = sc.nextInt();
             if(ch == 1) { coll1.insert(getInfo());}
             else if(ch == 2)
             {
                    List<Document> documentList = new ArrayList<Document>();
                    int k1;
                    System.out.print("How many documents to insert?: ");
                    k1 = sc.nextInt();
                    for(int k=0;k<k1;k++)
                    {
                            Document doc = new Document(getInfo());
                            documentList.add(doc);
                    }
                    coll2.insertMany(documentList);
             }
                    break;

            case 2:
                  DBCursor cursor = coll1.find();
                           while (cursor.hasNext())
                           {
                             System.out.println(cursor.next());
                           }
                      break;


                    case 3:
                            BasicDBObject ini = new BasicDBObject();
                            System.out.print("\n------Enter details of the doc to update-------
\n");
                            ini = getInfo();
                            BasicDBObject fin = new BasicDBObject();
                            System.out.print("\n------Enter details of the new doc-------\n");
                            fin = getInfo();
                       coll1.update(ini,fin);
                       break;
```

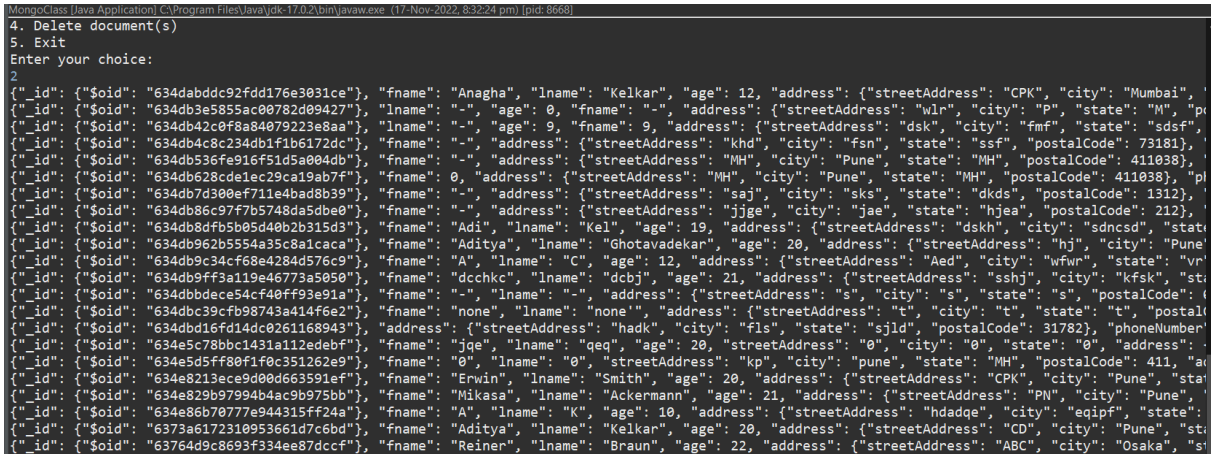
```
                    case 4:
                            BasicDBObject rem = new BasicDBObject();
                            System.out.print("\n------Enter details of the doc to delete-------
\n");
                            rem = getInfo();
                            coll1.remove(rem);
                       break;

                    case 5:
                           System.exit(0);

                    default:
                       System.out.println("Enter a valid choice!\\n\\n");
                  }

              }
          }
                  catch(Exception e)
                  {
                   e.printStackTrace();
                  }
  }
}
```

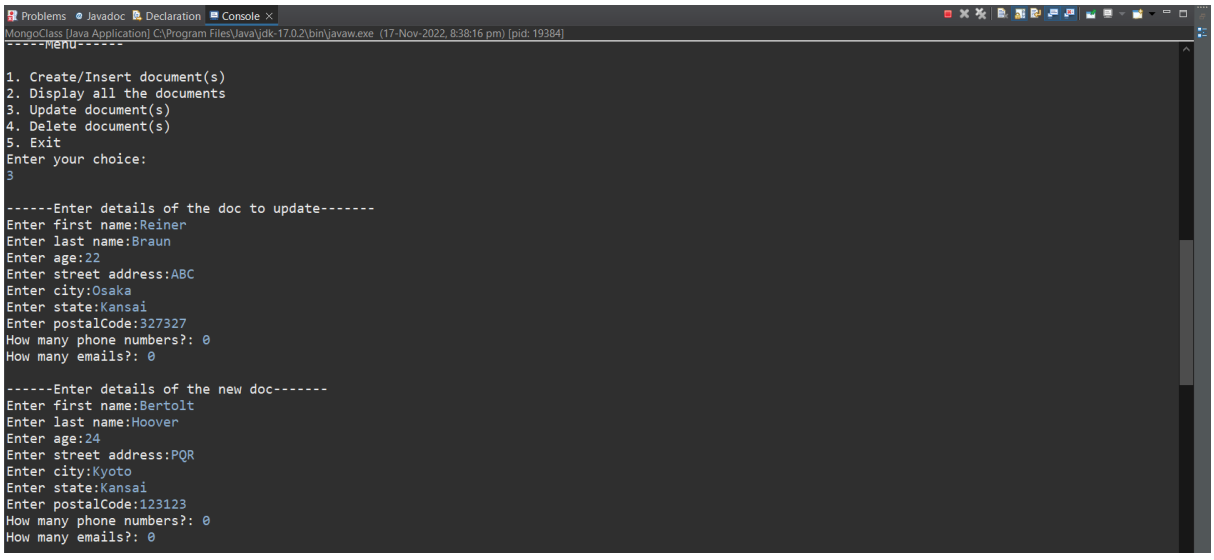
Output:

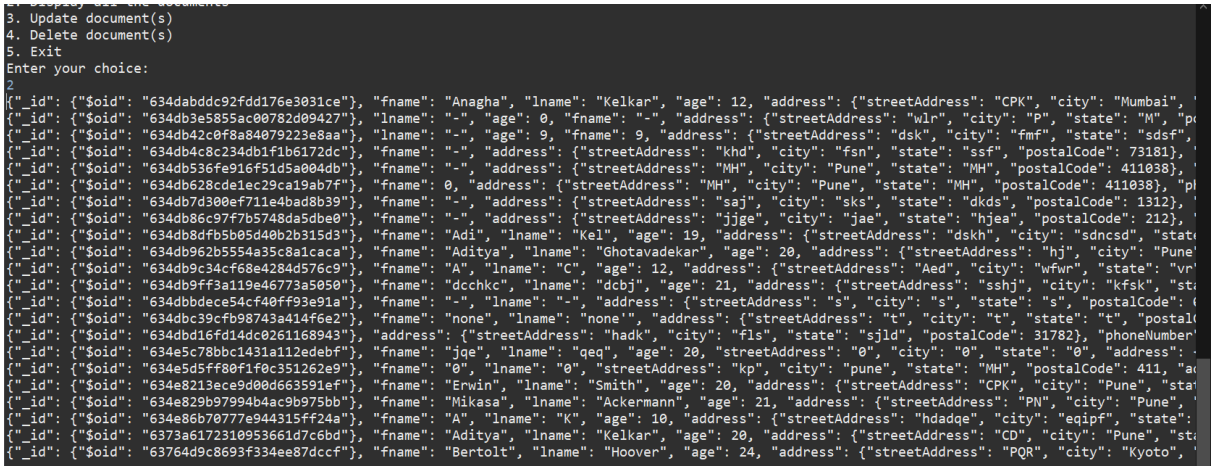
(P.T.O)


Problems Javadoc Declaration Console
MongoClass [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (17-Nov-2022, 8:32:24 pm) [pid: 8668]
Nov 17, 2022 8:32:30 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Cluster created with settings {hosts=[localhost:27017], mode=SINGLE, requiredClusterType=UNKNOW
-----Menu------
1. Create/Insert document(s)
2. Display all the documents
3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:
Nov 17, 2022 8:32:30 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Opened connection [connectionId{localValue:1, serverValue:109}] to localhost:27017
Nov 17, 2022 8:32:30 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Monitor thread successfully connected to server with description ServerDescription{address=loca
2
Nov 17, 2022 8:32:35 PM com.mongodb.diagnostics.logging.JULLogger log
INFO: Opened connection [connectionId{localValue:2, serverValue:110}] to localhost:27017
{"_id": {"$oid": "634dabddc92fdd176e3031ce"}, "fname": "Anagha", "lname": "Kelkar", "age": 12, "addre
{"_id": {"$oid": "634db3e5855ac00782d09427"}, "lname": "-", "age": 0, "fname": "-", "address": {"stre
{"_id": {"$oid": "634db42c0f8a84079223e8aa"}, "lname": "-", "age": 9, "fname": 9, "address": {"street
{"_id": {"$oid": "634db4c8c234db1f1b6172dc"}, "fname": "-", "address": {"streetAddress": "khd", "city
{"_id": {"$oid": "634db536fe916f51d5a004db"}, "fname": "-", "address": {"streetAddress": "MH", "city"
{"_id": {"$oid": "634db628cde1ec29ca19ab7f"}, "fname": 0, "address": {"streetAddress": "MH", "city":
{"_id": {"$oid": "634db7d300ef711e4bad8b39"}, "fname": "-", "address": {"streetAddress": "saj", "city
{"_id": {"$oid": "634db86c97f7b5748da5dbe0"}, "fname": "-", "address": {"streetAddress": "jjge", "cit
{"_id": {"$oid": "634db8dfb5b05d40b2b315d3"}, "fname": "Adi", "lname": "Kel", "age": 19, "address":
{"_id": {"$oid": "634db962b5554a35c8a1caca"}, "fname": "Aditya", "lname": "Ghotavadekar", "age": 20,
{"_id": {"$oid": "634db9c34cf68e4284d576c9"}, "fname": "A", "lname": "C", "age": 12, "address": {"str
{"_id": {"$oid": "634db9ff3a119e46773a5050"}, "fname": "dcchkc", "lname": "dcbj", "age": 21, "address
{"_id": {"$oid": "634dbbdece54cf40ff93e91a"}, "fname": "-", "lname": "-", "address": {"streetAddress'


MongoClass [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (17-Nov-2022, 8:32:24 pm) [pid: 8668]
1. Create/Insert document(s)
2. Display all the documents
3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:
1
Do you want to insert:
1.One Document
2.Many documents
Enter a choice:
1
Enter first name:Reiner
Enter last name:Braun
Enter age:22
Enter street address:ABC
Enter city:Osaka
Enter state:Kansai
Enter postalCode:327327
How many phone numbers?: 0
How many emails?: 0
-----Menu------
1. Create/Insert document(s)
2. Display all the documents
3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:


MongoClass [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (17-Nov-2022, 8:32:24 pm) [pid: 8668]
4. Delete document(s)
5. Exit
Enter your choice:
2


Problems
Javadoc
Declaration
Console
MongoClass [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (17-Nov-2022, 8:38:16 pm) [pid: 19384]
-----Menu------
1. Create/Insert document(s)
2. Display all the documents
3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:
3
------Enter details of the doc to update-------
Enter first name:Reiner
Enter last name:Braun
Enter age:22
Enter street address:ABC
Enter city:Osaka
Enter state:Kansai
Enter postalCode:327327
How many phone numbers?: 0
How many emails?: 0
------Enter details of the new doc-------
Enter first name:Bertolt
Enter last name:Hoover
Enter age:24
Enter street address:PQR
Enter city:Kyoto
Enter state:Kansai
Enter postalCode:123123
How many phone numbers?: 0
How many emails?: 0


3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:
2

{"_id": {"$oid": "63764d9c8693f334ee87dccf"}, "fname": "Bertolt", "lname": "Hoover", "age": 24, "address": {"streetAddress": "PQR", "city": "Kyoto",

```
-----Menu------

1. Create/Insert document(s)
2. Display all the documents
3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:
4

------Enter details of the doc to delete-------
Enter first name:Bertolt
Enter last name:Hoover
Enter age:24
Enter street address:PQR
Enter city:Kyoto
Enter state:Kansai
Enter postalCode:123123
How many phone numbers?: 0
How many emails?: 0
```

```
3. Update document(s)
4. Delete document(s)
5. Exit
Enter your choice:
2
```

{"_id": {"$oid": "634dabddc92fdd176e3031ce"}, "fname": "Anagha", "lname": "Kelkar", "age": 12, "address": {"streetAddress": "CPK", "city": "Mumbai",
{"_id": {"$oid": "634db3e5855ac00782d09427"}, "lname": "-", "age": 0, "fname": "-", "address": {"streetAddress": "wlr", "city": "P", "state": "M",
{"_id": {"$oid": "634db42c0f8a84079223e8aa"}, "lname": "-", "age": 9, "fname": 9, "address": {"streetAddress": "dsk", "city": "fmf", "state": "sdsf",
{"_id": {"$oid": "634db4c8c234db1f1b6172dc"}, "fname": "-", "address": {"streetAddress": "khd", "city": "fsn", "state": "ssf", "postalCode": 73181},
{"_id": {"$oid": "634db536fe916f51d5a004db"}, "fname": "-", "address": {"streetAddress": "MH", "city": "Pune", "state": "MH", "postalCode": 411038},
{"_id": {"$oid": "634db628cde1ec29ca19ab7f"}, "fname": 0, "address": {"streetAddress": "MH", "city": "Pune", "state": "MH", "postalCode": 411038},
{"_id": {"$oid": "634db7d300ef711e4bad8b39"}, "fname": "-", "address": {"streetAddress": "saj", "city": "sks", "state": "dkds", "postalCode": 1312},
{"_id": {"$oid": "634db86c97f7b5748da5dbe0"}, "fname": "-", "address": {"streetAddress": "jjge", "city": "jae", "state": "hjea", "postalCode": 212},
{"_id": {"$oid": "634db8dfb5b05d40b2b315d3"}, "fname": "Adi", "lname": "Kel", "age": 19, "address": {"streetAddress": "dskh", "city": "sdncsd",
{"_id": {"$oid": "634db962b5554a35c8a1caca"}, "fname": "Aditya", "lname": "Ghotavadekar", "age": 20, "address": {"streetAddress": "hj", "city": "Pune
{"_id": {"$oid": "634db9c34cf68e4284d576c9"}, "fname": "A", "lname": "C", "age": 12, "address": {"streetAddress": "Aed", "city": "wfwr", "state": "vr
{"_id": {"$oid": "634db9ff3a119e46773a5050"}, "fname": "dcchkc", "lname": "dcbj", "age": 21, "address": {"streetAddress": "sshj", "city": "kfsk",
{"_id": {"$oid": "634dbbdece54cf40ff93e91a"}, "fname": "-", "lname": "-", "address": {"streetAddress": "s", "city": "s", "state": "s", "postalCode":
{"_id": {"$oid": "634dbc39cfb98743a414f6e2"}, "fname": "none", "lname": "none'", "address": {"streetAddress": "t", "city": "t", "state": "t", "postal
{"_id": {"$oid": "634dbd16fd14dc0261168943"}, "address": {"streetAddress": "hadk", "city": "fls", "state": "sjld", "postalCode": 31782}, "phoneNumber
{"_id": {"$oid": "634e5c78bbc1431a112edebf"}, "fname": "jqe", "lname": "qeq", "age": 20, "streetAddress": "0", "city": "0", "state": "0", "address":
{"_id": {"$oid": "634e5d5ff80f1f0c351262e9"}, "fname": "0", "lname": "0", "streetAddress": "kp", "city": "pune", "state": "MH", "postalCode": 411,
{"_id": {"$oid": "634e8213ece9d00d663591ef"}, "fname": "Erwin", "lname": "Smith", "age": 20, "address": {"streetAddress": "CPK", "city": "Pune",
{"_id": {"$oid": "634e829b97994b4ac9b975bb"}, "fname": "Mikasa", "lname": "Ackermann", "age": 21, "address": {"streetAddress": "PN", "city": "Pune",
{"_id": {"$oid": "634e86b70777e944315ff24a"}, "fname": "A", "lname": "K", "age": 10, "address": {"streetAddress": "hdadqe", "city": "eqipf", "state":
{"_id": {"$oid": "6373a6172310953661d7c6bd"}, "fname": "Aditya", "lname": "Kelkar", "age": 20, "address": {"streetAddress": "CD", "city": "Pune",

```
-----Menu------
```