Aim: Write a program to implement MongoDB database connectivity with PHP/

python/Java. Implement Database navigation operations (add, delete, edit etc.) using

ODBC/JDBC.

import java.net.UnknownHostException;

import java.io.\*;

import java.util.Date;

import com.mongodb.\*;

public class App

{

public static void main(String[] args)

{

BufferedReader br=null;

int ch,eid,sal;

String sql,name,desig;

try

{

br=new BufferedReader(new InputStreamReader(System.in));

/\*\*\*\* Connect to MongoDB \*\*\*\*/

MongoClient mongo = new MongoClient("localhost", 27017);

/\*\*\*\* Get database \*\*\*\*/

// if database doesn't exists, MongoDB will create it for you

DB db = mongo.getDB("dmsa");

/\*\*\*\* Get collection / table from 'testdb' \*\*\*\*/

// if collection doesn't exists, MongoDB will create it for you

DBCollection table = db.getCollection("emp");

do

{

System.out.println("\n\nChoices for User");

System.out.println("1.Insert document");

System.out.println("2.View document");

System.out.println("3.Update document");

System.out.println("4.Delete document");

System.out.println("5.Exit");

System.out.println("Enter the choice=");

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

switch(ch)

{

case 1:

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System.out.println("\nINSERT RECORD:");

System.out.println("Enter the emp\_id=");

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

System.out.println("Enter the emp\_name=");

name=br.readLine();

System.out.println("Enter the emp\_salary=");

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

System.out.println("Enter the emp\_designation=");

desig=br.readLine();

//To insert Data into DB

BasicDBObject document = new BasicDBObject();

document.put("empid", eid);

document.put("ename", name);

document.put("salary", sal);

document.put("designation", desig);

table.insert(document);

System.out.println("\nDocumet inserted successfully....");

break;

case 2:

BasicDBObject searchQuery = new BasicDBObject();

//searchQuery.put();

DBCursor cursor = table.find();

while (cursor.hasNext())

{

System.out.println(cursor.next());

}

break;

case 3:

BasicDBObject query = new BasicDBObject();

BasicDBObject newDocument = new BasicDBObject();

BasicDBObject updateObj = new BasicDBObject();

System.out.println("\nUpdate Record Options:");

System.out.println("1.Update salary.");

System.out.println("2.Update designation.");

System.out.println("Enter the choice=");

int ch2=Integer.parseInt(br.readLine());

switch(ch2)

{

case 1:

System.out.println("Enter the emp\_id whoes record

want you to update=");

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

System.out.println("Enter the new salary=");

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

query.put("empid", eid);

newDocument.put("salary", sal);

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updateObj.put("$set", newDocument);

table.update(query, updateObj);

System.out.println("\nDocument Updated Successfully...");

break;

case 2:

System.out.println("Enter the emp\_id whoes record want you to update=");

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

System.out.println("Enter the new designation=");

desig=br.readLine();

query.put("empid", eid);

newDocument.put("designation", desig);

updateObj.put("$set", newDocument);

table.update(query, updateObj);

System.out.println("\nDocument Updated Successfully...");

break;

default:

System.out.println("\nInvalid Choice");

}

break;

case 4:

System.out.println("\nDelete Record Options:");

System.out.println("1.Delete Particular data");

System.out.println("Enter the choice=");

int ch1=Integer.parseInt(br.readLine());

switch(ch1)

{

case 1:

System.out.println("Enter the emp\_id whoes record want you to

delete=");

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

System.out.println("\nRecord Deleted Successfully...");

BasicDBObject a = new BasicDBObject();

a.put("empid", eid);

table.remove(a);

break;

default:

System.out.println("\nIsnvalid Choice");

}

break;

case 5:

break;

default:

System.out.println("\nInvalid Choice");

}

}while(ch!=5);

/\*\*\*\* Done \*\*\*\*/

System.out.println("Thank You...");

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System.out.println("Programmed by:SHRINIWAS DESHMUKH..");

}

catch (UnknownHostException e)

{

e.printStackTrace();

}

catch (MongoException e)

{

e.printStackTrace();

}

catch(IOException e)

{

e.printStackTrace();

}

}

}