Aim: Implement MYSQL/Oracle database connectivity with PHP/ python/Java. Implement

Database navigation operations (add, delete, edit,) using ODBC/JDBC.

package mypack;

import java.sql.\*;

import java.util.\*;

public class connect{

public static void connection()

{

String empname,designation;

int empno,age,salary;

try

{

Scanner a = new Scanner(System.in);

Scanner b= new Scanner(System.in);

int i,rs,e;

String DRIVER\_CLASS = "com.mysql.jdbc.Driver";

Class.forName(DRIVER\_CLASS);

String UID="root";

String PWD="admin123";

String DB\_URL="jdbc:mysql://localhost/student1";

Connection

conn=DriverManager.getConnection(DB\_URL,UID,PWD);

Statement stmt=conn.createStatement();

do

{

String menu="~~~~OPERATIONS~~~~~\n

1.INSERT NEW ENTRY IN THE DATABASE\n

2.UPDATE SOME VALUE\n

3.DISPLAY\n

4.DELETE\n

5.EXIT\n

ENTER YOUR OPTION : ";

System.out.println(menu);

String query;

String sql="update table employee set age=1;";

i=a.nextInt();

switch(i)

{

case 1:System.out.println("Enter the following information to be

inserted(Blank fields to be avoided)");

System.out.println("1.Employee number : ");

empno=a.nextInt();

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System.out.println("2.Employee name : ");

empname=b.nextLine();

System.out.println("3.Age : ");

age=a.nextInt();

System.out.println("4.Designation : ");

designation=b.nextLine();

System.out.println("5.Salary : ");

salary=a.nextInt();

query="insert into employee

values("+empno+",'"+empname+"',"+age+",'"+designation+"',"+salary+");";

rs=stmt.executeUpdate(query);

if(rs==1)

{

System.out.println("\nData inserted succesfully!!\n");

}

break;

case 2:System.out.println("Select the field you want to update :

\n1.Age\n2.Designation\n3.Salary\n");

int option=a.nextInt();

System.out.println("Enter the employee id for which you want to

update data : ");

e=b.nextInt();

switch(option)

{

case 1 : System.out.println("\nEnter the new age : ");

age=a.nextInt();

query="update employee set age = "+age+" where emp\_no = "+e+";";

rs=stmt.executeUpdate(query);

if(rs==1)

{

System.out.println("\nData has been updated successfully!");

}

break;

case 2: System.out.println("\nEnter the new designation : \n");

designation=b.nextLine();

query="update employee set designation = '"+designation+"' where

emp\_no ="+e+" ;";

rs=stmt.executeUpdate(query);

if(rs==1)

{

System.out.println("\n Updated successfully!");

}

break;

case 3: System.out.println("\nEnter the new salary : ");

salary=a.nextInt();

query="update employee set salary = "+salary+" where emp\_no ="+e+";";

rs=stmt.executeUpdate(query);

if(rs==1)

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{

System.out.println("\n Updated successfully!");

}

break;

default :System.out.println("\nPlease enter a valid choice\n");

break;

}

break;

case 3:query="select \* from employee;";

ResultSet rs1=stmt.executeQuery(query);

System.out.println("Emp\_no\tEmp\_name\tAge\tDesgntn\tSalary");

while(rs1.next())

{

empno=rs1.getInt("emp\_no");

empname=rs1.getString("emp\_name");

age=rs1.getInt("age");

designation=rs1.getString("designation");

salary=rs1.getInt("salary");

System.out.println(empno+"\t"+empname+"\t"+age+"\t"+designation+"\t"+salary);

}

break;

case 4 :System.out.println("\n1.DELETE ALL RECORDS\n2.DELETE SELECTED

DATA");

option=a.nextInt();

switch(option)

{

case 1:query="truncate table employee;";

rs=stmt.executeUpdate(query);

String query2="select \* from employee;";

rs1=stmt.executeQuery(query2);

if(rs1==null)

System.out.println("\nAll records have been successfully deleted");

break;

case 2:System.out.println("Enter the employee id whose record you want to delete :

");

e=a.nextInt();

query="delete from employee where emp\_no = "+e+";";

rs=stmt.executeUpdate(query);

if(rs==1)

{

System.out.println("\nThe specified record has been deleted!");

}

String query1="select \* from employee;";

rs1=stmt.executeQuery(query1);

System.out.println("Emp\_no\tEmp\_name\tAge\tDesgntn\tSalary");

while(rs1.next())

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{

empno=rs1.getInt("emp\_no");

empname=rs1.getString("emp\_name");

age=rs1.getInt("age");

designation=rs1.getString("designation");

salary=rs1.getInt("salary");

System.out.println(empno+"\t"+empname+"\t"+age+"\t"+designation+"\t"+salary);

}

break;

}

case 5:System.exit(0);

}

}while(i<=5);

stmt.close();

conn.close();

}

catch(Exception e)

{

e.printStackTrace();

}

}

public static void main(String[] args) {

// TODO Auto-generated method stub

connection();

}

}