**ASSIGNMENT**

**Database name:** **sql12357853**

**Sql query(created in myphpadmin)**

**CREATE TABLE Account1** { **Name varchar(20),Account Number int(20),Pin Number int(10),Balance int(10)};**

**INSERT INTO Account1(name, Account Number, Pin Number, Balance) VALUES(‘Preethy’,2073458745,6556,50000);**

**INSERT INTO Account1(Name, Account Number, Pin Number, Balance) VALUES(‘hari’,2033557930,9875,60000);**

**CREATE TABLE Accountdetails**{**name varchar(20),accno int(20),balance int(10)};**

**INSERT INTO Accountdetails(name,accno, balance) VALUES (‘Preethy’,2073458745,6556,50000);**

**Table name1 :Account1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Account Number** | **Pin Number** | **Balance** |
| **Preethy** | **2073458745** | **6556** | **50000** |
| **Hari** | **2033557930** | **9875** | **60000** |

**Table name2 :Accountdetails**

|  |  |  |
| --- | --- | --- |
| **name** | **accno** | **balance** |
| **Preethy** | **2073458745** | **50000** |

**Web.xml file**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xmlns:web=*"http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd"* id=*"WebApp\_ID"* version=*"3.0"*>

<display-name>BankingApplication</display-name>

<welcome-file-list>

<welcome-file>login1.jsp</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>transfer</servlet-name>

<servlet-class>transfer</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>transfer</servlet-name>

<url-pattern>/transfer</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>Statement</servlet-name>

<servlet-class>Statement</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Statement</servlet-name>

<url-pattern>/Statement</url-pattern>

</servlet-mapping>

</web-app>

**Login1.jsp file**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>welcome to online banking</title>

</head>

<body>

<h1 style="text-align:*left*;"><strong>WELCOME TO ONLINE BANKING</strong></h1>

<form action=*"./Fund"* method=*"post"*>

<table style="background-color:*skyblue*;" border=*'1'*>

<tr><td><h1>Enter your Account Number</h1> </td><td><input type=*"text"* name=*"accno1"*></td></tr>

<tr><td><h1> Enter your Pin Number</h1></td><td><input type=*"password"* name=*"pinno"*></td></tr>

<tr><td><h1> Enter deposit Account Number</h1></td><td><input type=*"text"* name=*"accno2"*></td></tr>

<tr><td><h1>Enter the Amount</h1></td><td><input type=*"text"* name=*"amount"*></td></tr>

<tr><td><input type=*"submit"* value=*"Fundtransfer"*></td><td><a href=*"Statement.java"*><button><b>Viewstatement</b></button></a></td></tr>

</table>

</form>

</body>

</html>

**Fund.java - servlet file**

import java.io.IOException;

import.java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.sql.\*;

import java.sql.Statement;

@WebServlet("/Fund")

public class Fund extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

PrintWriter out=response.getWriter();

String Accountno1=request.getParameter("accno1");

int Pinno=Integer.parseInt(request.getParameter("pinno"));

String Accountno2=request.getParameter("accno2");

int TargetAmount=Integer.parseInt(request.getParameter("amount"));

boolean row1,row2;

try{

Class.forName("com.mysql.jdbc.Driver");

Connection conn =DriverManager.getConnection("jdbc:mysql://sql12.freemysqlhosting.net:3306/sql12357853","sql12357853","TUwDKsrrqZ");

Statement stat=conn.createStatement();

ResultSet rs1=stat.executeQuery("select \* from Account1 where Account Number="+Accountno1+"and Pinno="+Pinno);

ResultSet rs2=stat.executeQuery("select \* from Account1 where Account Number="+Accountno2);

row1=rs1.next();

row2=rs2.next();

if(row1==true&&row2==true)

{

int currentamount1=rs1.getInt(4);

int currentamount2=rs2.getInt(4);

Banking ts= new Banking(currentamount1,currentamount2,Targetamount);

String result=ts.update();

out.print(result);

}

}catch(Exception e){

e.printStackTrace();

}

}

}

**Banking.java**

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.SQLException;

**public** **class** Banking {

int currentamount1,currentamount2,Targetamount;

public Banking(int curramt1,int curramt2,int targamt)

{

currentamount1=curramt1;

currentamount2=curramt2;

Targetamount=targamt;

}

**public** **String** update() {

**if**(currentamount1>=Targetamount)

{

currentamount1-=Targetamount;

currentamount2+=Targetamount;

}

**try**{

Class.*forName*("com.mysql.jdbc.Driver");

}**catch**(ClassNotFoundException e)

{

e.printStackTrace();

}

Connection conn;

PreparedStatement ps;

**try** {

conn=DriverManager.*getConnection*("jdbc:mysql://sql12.freemysqlhosting.net:3306/sql12357853","sql12357853","TUwDKsrrqZ");

ps=conn.prepareStatement("insert into Accountdetails('name','accno','balance')values(?,?,?)");

ps.setString(1,"Preethy");

ps.setInt(2,2073458745);

ps.setInt(3,currentamount1);

ps.executeQuery();

String msg="Transaction successfully Completed");

}

**catch**(SQLException e)

{

System.*out*.println("Transaction failed"+e);

}return msg;}}

**Statement.java -servlet file**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Statement

\*/

@WebServlet("/Statement")

**public** **class** Statement **extends** HttpServlet {

**private** **static** **final** **long** *serialVersionUID* = 1L;

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter out =response.getWriter();

String Accountno1=request.getParameter("accno1");

out.print("<h1>Bank Statement</h1>");

out.print("<table border='1'><tr><th>Name</th><th>Account Number</th><th>Balance</th></tr>");

**try** {

Class.*forName*("com.mysql.jdbc.Driver");

Connection con =DriverManager.*getConnection*("jdbc:mysql://sql12.freemysqlhosting.net:3306/sql12357853","sql12357853","TUwDKsrrqZ");

Statement st=(Statement) con.createStatement();

ResultSet rs=st.executeQuery("select \* from Accountdetails where accno="+Accountno1+" desc limit 5;");

**while**(rs.next())

{

out.print("<tr><td>");

out.println(rs.getInt(1));

out.print("</td>");

out.print("<td>");

out.println(rs.getInt(2));

out.print("</td>");

out.print("<td>");

out.println(rs.getInt(3));

out.print("</td>");

out.print("</tr></td>");

}

}**catch**(Exception e){

System.*out*.println(e);

}

out.print("</table>");

// **TODO** Auto-generated method stub

}

**private** ResultSet executeQuery(String string) {

// **TODO** Auto-generated method stub

**return** **null**;

}

}

**OUTPUT:**



