**CREATING TABLEIN MYSQL**

16D057

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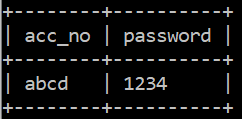
Thiagarajar College Of Engineering

**Login:**

CREATE TABLE obs(acc\_no VARCHAR(255),password VARCHAR(255));

INSERT INTO obs(acc\_no,password) VALUES (‘abcd’,’1234’);

SELECT \* FROM obs;



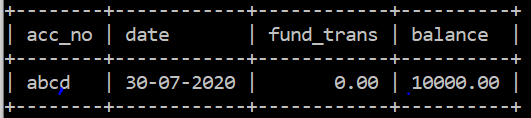
**Transaction:**

CREATE TABLE trans(acc\_no VARCHAR(255),date VARCHAR(255),

fund\_transfloat(10,2),balance FLOAT(10,2));

INSERT INTO trans(acc\_no,date,fund\_trans,balance) VALUES (‘abcd’,’30-07-2020’,’0.00’,’10000.00’);

SELECT \* FROM trans;



**CREATING SERVLETS**

**1. Login(Index.html):**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"* content=*"width=devicewidth,initial-scale=1.0"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"* integrity=*"sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk"*crossorigin=*"anonymous"*>

<script src=*"https://code.jquery.com/jquery-3.5.1.slim.min.js"* integrity=*"sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"*crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"*integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"*crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"*integrity=*"sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"*crossorigin=*"anonymous"*></script>

<title>Insert title here</title>

</head>

<body>

<div class=*"container"*>

<div class=*"row"*>

<div>

<form action=*"Servlet1"* method=*"POST"*>

<div class=*"form-group"*>

<h2 Welcome ></h2>

</div>

<div class=*"form-group"*>

<label Enter Account number></label>

<input type=*"text"* name=*"acc\_no"* class=*"form-control"* placeholder=*"acc\_no"*>

</div>

<div class=*"form-group"*>

<label Enter Password></label>

<input type=*"password"* name=*"password"* class=*"form-control"* placeholder=*"password"*>

</div>

<div class=*"form-group"*>

<button type=*"submit"* class=*"btnbtn-success"*>Submit</button>

</div>

</form>

</div>

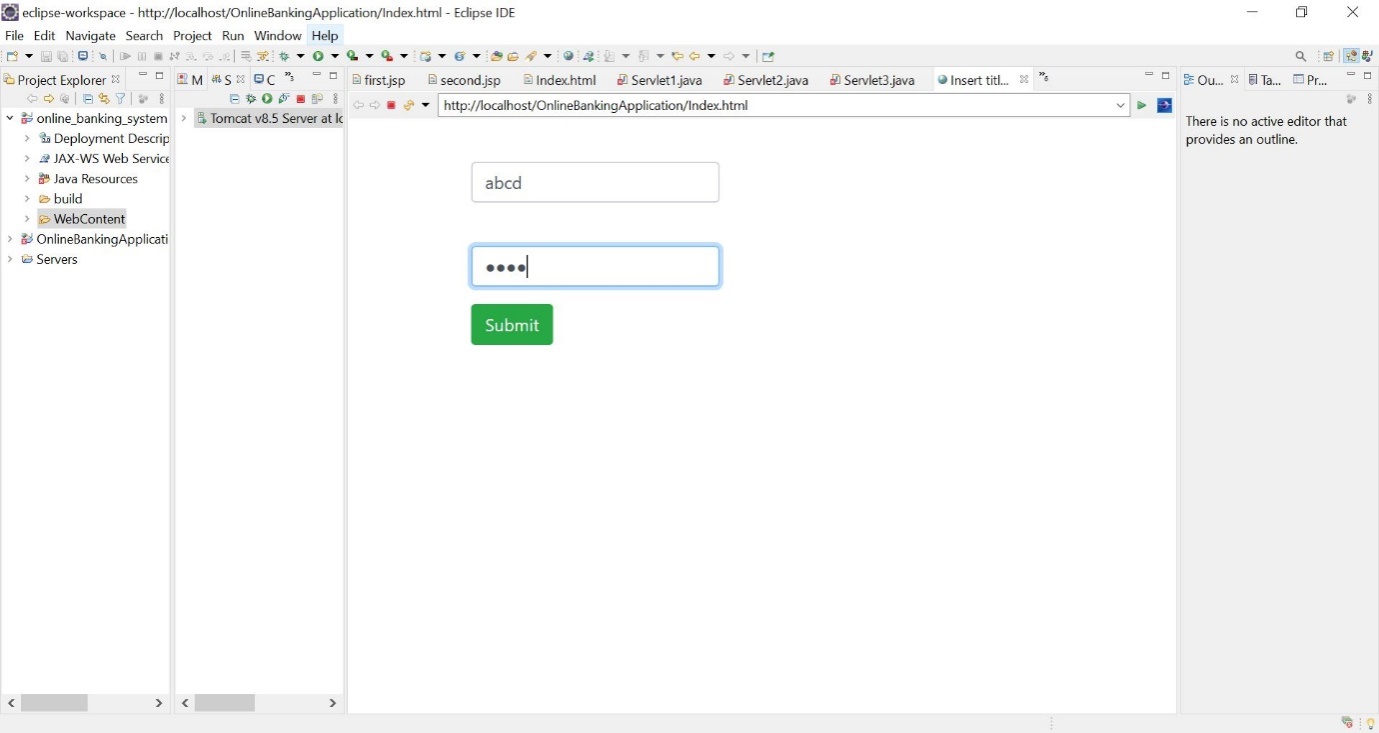
</div>

</div>

</body>

</html>

**OUTPUT:**



**2.Servlet 1:**

**import**java.io.IOException;

**import**java.sql.Connection;

**import**java.sql.DriverManager;

**import**java.sql.PreparedStatement;

**import**java.sql.ResultSet;

**import**java.util.logging.Level;

**import**javax.servlet.RequestDispatcher;

**import**javax.servlet.Servlet;

**import**javax.servlet.ServletException;

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

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

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

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

@WebServlet("/Servlet1")

**publicclass** Servlet1 **extends**HttpServlet {

PrintWriter out=**null**;

Connection con;

PreparedStatementpst;

ResultSetrs;

@override

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

**try** {

String result;

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

con=DriverManager.getConnection("jdbc:mysql://localhost/databasename","root"," ");

ServletContext context=getServletContext();

context.setAttribute("acc\_no"," ");

String acc\_no=request.getParameter("acc\_no");

String password=request.getParameter("password");

pst=con.prepareStatement("select \* from obs where acc\_no=? and password=?");

pst.setString(1,acc\_no);

pst.setString(1,password);

rs=pst.executeQuery();

**boolean** row=**false**;

row =rs.next();

**if**(row==**true**)

{

result=rs.getString(2);

ContextsetAttribute("acc\_no",result);

RequestDispatcher dispatcher=getServletContext().getRequestDispatcher("/servlet2");

**if**(dispatcher==**null**)

{

}

dispatcher.forward(request, response);

con.close();

}

**else**

{

out=response.getWriter();

response.setContentType("text/html");

out.println("<html>");

out.println("<body bgcolor=pink>");

out.println("Invalid:Please check acc\_no, password");

out.println("\body");

out.println("\html");

out.close();

}

}

Catch(classNotFound ex)

{

Logger.getLogger(Servlet.**class**.getName()).log(Level.SEVERE,**null**,ex);

}**catch**(SQLException ex)

{

Logger.getLogger(Servlet.**class**.getName()).log(Level.***SEVERE***,**null**,ex);

}

}

**3.Servlet 2:**

**import**java.io.IOException;

**import**java.sql.Connection;

**import**java.sql.DriverManager;

**import**java.sql.PreparedStatement;

**import**java.sql.ResultSet;

**import**java.util.logging.Level;

**import**javax.servlet.ServletContext;

**import**javax.servlet.ServletException;

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

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

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

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

@WebServlet("/Servlet2")

**publicclass** Servlet2 **extends**HttpServlet{

@override

**protectedvoid**doPost(Http...) {

PrintWritter out=response.getWriter();

response.setContentType("text/html");

ServletContext context=getservletContext();

Object obj1=context.getAttribute("acc\_no");

object obj2=context.getAttribute("password");

String value1=obj1.toString();

Int value1=obj1.getInt();

out.println("<html>");

out.println("<body bgcolor=pink>");

out.println("<center");

out.println("<h2>Account Balance</h2>");

out.println("/center");

**try**

{

**class**.forName("com.mysql.jdbc.driver");

Connection con=DriverManager.getConnection("","","");

Statement stmt =con.createStatement();

ResultSetrs=stmt.executeQuery("select \* from trans");

out.println("<table border=1 width=50% height=50%>");

out.println("<tr><th>acc\_no</th><th>date</th><th>fundtrans</th><th>balance</th></tr>");

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

{

String m=rs.getNString("acc\_no");

String n=rs.getNString("date");

String o=rs.getNString("fundtrans");

String p=rs.getNString("balance");

out.println("<tr><td>"+m+"</td><td>"+n+"</td><td>"+o+"</td><td>"+p+"</td></tr>");

}

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

con.close();

}

**catch**(Exception e)

{

out.println("error");

}

out.println("Form method=post action=servlet3>");

out.println("<table>");

out.println("<tr>");

out.println("<td>");

out.println("Account Number:" +values);

out.println("Balance:"+values);

out.println("Transfer Amount </td><td><input type.text name=amount value=0>");

out.println("</td");

out.println("</tr>");

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

out.println("<input type=submit value=FundTransfer");

out.println("</Form>");

out.println("</body>");

out.println("</html>");

}

}

**4.Servlet 3:**

**import**java.io.IOException;

**import**java.sql.Connection;

**import**java.sql.DriverManager;

**import**java.sql.PreparedStatement;

**import**java.sql.ResultSet;

**import**java.time.LocalDateTime;

**import**java.time.format.DateTimeFormatter;

**import**java.util.logging.Level;

**import**javax.servlet.RequestDispatcher;

**import**javax.servlet.ServletException;

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

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

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

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

@WebServlet("/Servlet3")

**publicclass** Servlet3 **extends**HttpServlet{

@override

**protectedvoid**doPost(Http...) {

**try**

{

Connection con;

PreparedStatementpst;

ResultSetrs;

PrintWritter out=response.getWriter();

response.setContentType("text/html");

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

con=DriverManager.getConnection("jdbc:mysql://localhost/databasename","root"," ");

ServletContext context=getServletContext();

Object obj1=context.getAttribute("acc\_no");

Object obj2=context.getAttribute("password");

String value1=obj1.toString();

Int value1=obj1.getInt();

DateTimeFormation df=DateTimeFormatter.ofPattern("dd/mm/yyyy");

LocalDateTime now=LocalDateTime.now();

String date=df.format(now);

String amount=request.getParameter("amount");

**if**(amount<balance)

{

pst=con.prepareStatement("insert into trans(acc\_no,date,fund\_trans,balance) values ('abcd','30-07-2020','0.00','10000.00')");

pst,setString(1,acc\_no);

pst,setString(2,date);

pst,setString(3,fund\_trans);

pst,setString(4,balance);

**int** rows=pst.executeUpdate();

**if**(rows==1)

{

out.println("Your transaction have been done");

balance=balance\_amount;

String result;

result=rs.getNString(2);

Context.setAttribute("acc\_no",result);

RequestDispatcher dispatcher=getServletContext().getRequestDispatcher("/servlet2");

**if**(dispatcher==**null**) {}

dispatcher.forward(request, response);

con.close();

}

**else**

{

out.println("Your transaction failed");

}

**else**

{

out.println("Please check your balance");

}

}

**catch**(classNotFound ex)

{

Logger.getLogger(Servlet.**class**.getName()).log(Level.SEVERE,**null**,ex);

}**catch**(QLException ex)

{

Logger.getLogger(Servlet.**class**.getName()).log(Level.SEVERE,**null**,ex);

}

}

}