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BTECH CSE 6TH SEM C

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Wipro PBL week 3 JSP Servlet Html CSS Javacript JDBL Sql

1.

Import java.util.Random.\*;

Public class Employee{

Private String name;

Private int id;

Public String getName(){

Return name;}

Public void setName(String name){

This.name=name;}

Public int getId(){

Return id;}

Public void setId(int id){

This.id=id;}

Public double getSalary(){

Return 2000+1000\*new Random(5000).nextDouble();}}

2.

Import java.io.PrintWriter.\*;

Import java.io.IOException.\*;

Import javax.servlet.ServletException.\*;

Import javax.servlet.http.HttpServlet.\*;

Import javax.servlet.http.HttpServletRequest.\*;

Import javax.servlet.http.HttpServletResponse.\*;

Public class Handon assignment servlet extends HttpServlet{

//@override

Protected void doGet(HttpServletRequest req,HttpServletResponse resp) throws IOException ,ServletException{

PrintWriter out=resp.getWriter();

Resp.setContentType(“text/html”);

Int number=Integer.parseInt(req.getParameter(“number”));

req.setAttribute(“number”,number);

If(number<10) req.getRequestDispatcher(“page1.jsp”).forward(req,resp);

Else if(number>=10 && number<99)

req.getRequestDisp

atcher(“page2.jsp”).forward(req,resp);

Else req.getRequestDispatcher(“error.jsp”).forward(req,resp);

Out.close();}}

3.

Import java.io.IOException.\*;

Import java.io.PrintWriter.\*;

Import java.sql.Connection.\*;

Import java.sql.DriverManager.\*;

Import java.sql.PreparedStatement.\*;

Import java.sql.SQLException.\*;

Import java.sql.ResultSet.\*;

Import javax.servlet.ServletException.\*;

Import javax.servlet.http.HttpServlet.\*;

Import javax.servlet.http.HttpServeltResponse.\*;

Import javax.servlet.http.HttpServletRequest.\*;

Public class Handon assignment servlet extends HttpServlet{

Connection conn=null;

Preparedstatement pstmt=null;

Protected void doGet(HttpServletRequest req,HttpServletResponse resp)throes IOException,ServletException{

PrintWriter out=response.getWriter();

Response.setContentType(“text/html”);

Conn=DBUtil.getconnection();

String sql=”INSERT INTO emp\_test VALUES(‘?’,’?’,’?’)”;

Try{

pstmt=conn.prepareStatement(sql);

pstmt.setString(1,request.getParameter(“name”));

pstmt.setInt(2,Integer.ParseInt(request.getParameter(“id”));

pstmt.setString(3,request.getParameter(“designation”));

pstmt.executeUpdate();

out.println(“success”);

request.setAttribute(“result”,”success”);

}

catch(SQLException e){

request.setAttribute(“result”.”failed”);

out.println(“failed”);

e.printStackTrace();}

out.close();}}

// employee

Public class Employee{

Private String name;

Private int id;

Private String designation;

Public String getName(){

Return name;}

Public void SetName(String name){

This.name=name;}

Public String getDesignation(){

Return designation;}

Public void setDesignation(String designation){

this.designation=designation;}

Public Int getId(){

Return id;}

Public void setId(int id){

This.id=id;}

[//@DB.Util](mailto://@DB.Util)

Public class DBUtil{

Public static Connection getConnection(){

Connection conn=null;

Try{

Class.forName(“oracle.jdbc.driver.OracleDriver”);

conn=DriverManager.getConnection(“jdbc:oracle:thin:@localhost:1521:XE”);

}

Catch(ClassNotFoundException e){

System.out.println(“ClassNotFoundException”);

e.printStackTrace();

}

Catch(SQLException e){

System.out.println(“SQLException”);

e.printStackTrace();

}

return conn;

}}

INTODUCTION TO JSP

1.

Import java.io.IOException.\*;

Import java.io.PrintWriter.\*;

Import java.util.List.\*;

Import java.util.ArrayList.\*;

Import javax.servlet.ServletException.\*;

Import javax.servlet.http.HttpServlet.\*;

Import javax.servlet.http.HttpServletRequest.\*;

Import javax.servlet.http.HttpServletResponse.\*;

Public class Handon assignment servlet extends HttpServlet{

Private static final long serailVersionUID=1L;

Protected void doGet(HttpServletRequest request,HttpServletResponse response)throws SQLException,IOException{

PrintWriter out=response.getWriter();

response.setContentType(“text/html”);

Int number=Integer.parseInt(request.getParameter(“number”));

List<Integer> primeList=new ArrayList<>();

For(int i=0;i<number;i++){

If(isprime(i))

PrimeList.add(i);}

request.setAttribute(“primeList”,primeList);

request.getRequestDispatcher(“primeResult.jsp”).forward(request,response);

Out.close();

}

Public static Boolean isprime(int input1){

If(input1==1) returnfalse;

For(int i=2;i<input1;i++){

If(input1==i)continue;

If(input1%i==0){ return false;}}

Return true;}}

2.

<%@page import=”java.util.Date”%>

<%@page language=”java” contentType=”html/text”;charset=UTF-8” pageEncoding=”UTF-8”%>

<!DOCTYPE html>

<html>

<head>

<meta charset=”UTF-8”>

<title></title>

</head>

<body>

<%=new Date()%>

</body>

</html>

3.

<%@ page language=”java”contentType=”html/text”;charset=UTF-8” pageEncoding=”UTF-8”%>

<%!

Int fact(int num){

If(num==1) return 1;

Return num\*fact(num-1);

}

%>

Prepared statement and meta objects

Import java.sql.connection.\*;

Import java.sql.SQLException.\*;

Import java.sql.ResultSet.\*;

Import java.sql.PreaparedStatement.\*;

Import java.sql.DriverManager.\*;

Import java.util.Scanner.\*;

Public class handon assignment{

Public staic void main(string[] args)throws SQLException{

Scanner sc=new Scanner(System.in);

Connection conn=NULL;

ResultSet rs=Null;

PreparedStatement pstmt=null;

String sql=””;

//connection establish

Try{

Class.forname(“oracle.jdbc.driver.oracledriver”);

Conn=drivermanager.getconnection(“jdbc:oracle:thin:@localhost:1521”);

}

Catch(classnotfoundexception e){

e.printstacktrace();}

Catch(sqlexception e){

e.printstacvktrace();}

Int rollno=0;

Try{

Rollno=integer.parseint(args[0]);}

Catch(exception e){

}

Try{

If(rollno!=0)

Sql=”select \*from stdnt where rollno=?”;

Else

Sql=select \*from student;

Pstmt=conn.preparestatement(sql);

If(roll!=0) pstmt.seint(1,rollno);

Resultset rs=pstmt.exceutequery(sql);

While(rs.next()){

Int rollno=rs.getint(rollno”);

String studentname=rs.getstring(“studentname”);

String standard=rs.getstring(“standard”);

String dateofbirth=rs.getstring(“dateofbirth”);

Double fees=rs.getdouble(“fees”);

System.out.println(rollno+””+studentname+””+standard+””+dateofbirth+””+fees);

}

}

Catch(sqlexception e){

e.printstacktrace();

}

Sc.close;

Conn.close();

}}

2.

Import java.sql.SQLException.\*;

Import java.sql.DriverManager.\*;

Import java.sql.PrepareStatement.\*;

Import java.sql.connection.\*;

Import java.util.List.\*;

Import java.util.ArrayList.\*;

Import java.util.Arrays.\*;

public class handon assignment{

Public static void main(String[] args) throws SQLException{

Scanner sc=new Scanner(System.in);

Connection conn=null;

PreparedStatement pstmt=null;

Try{

Class.forName(“oracle.jdbc.driver.OracleDriver”);

Conn=DriverManager.getConnection(“jdbc:oracle:thin:@localhost:1521”);

}

Catch(ClassNotFoundException e){

e.printStackTrace();}

Catch(SQLException e){ e.printStackTrace();}

Int rollno=0;

Do{

System.out.println(“Enter the rollno:”);

String rollstr=sc.nextLine();

Try{

rollno=Integer.parseInt(rollstr);

If(String.ValueOf(rollno).length()!=4)

rollno=0;

}

Catch(Exception e){}

}while(rollno==0);

String studentname=””;

Boolean lowercasefound;

Do{

System.out.println(“Enter the name:”):

studentname=sc.nextLine();

lowercasefound=false;

For(int i=0;i<studentname.length();i++){

If(character.islowercase(studentname.charAt(i)))

Lowercasefound=true;

Break;

}}

}while(studentname.length()>20 || lowercasefound);

String standard=””;

String[] standards={“I”,”II”,”III”,”IV”,”V”,”VI”,”VII”,VIII”,”IX”,”X”};

List<String>list=new ArrayList<>(Arrays.asList(standards));

Do{

System.out.println(“Enter the standards:”);

Standard=sc.nextLine();

}while(!list.contains(standard));

System.out.println(“Enter the DOB”);

String dob=sc.nextLine();

Double fees=0.0;

Do{

System.out.println(“enter the fees:”);

If(sc.hasNextDouble())

Fees=sc.nextDouble();

}while(fees=0.0);

//insert the data in db

String sql=”INSERT INTO student VALUES(?,?,?,?,?)”;

Try{

pstmt=conn.prepareStatement(sql);

pstmt.setInt(1,rollno);

pstmt.setString(2,studentname);

pstmt.setString(3,standard);

pstmt.setString(4,dob);

pstmt.setDouble(5,fees);

pstmt.executeQuery();

System.out.println(“student added successfully”);

}

Catch(SQLException e){

e.printstacktrace();}

System.out.println(“error”);

pstmt.close();

Conn.close();

}

Sc.close();

}}