ADVANCE JAVA

Slip:-1

mysql>create table movie(id int(20),name varchar(40),actor varchar(40),actress varchar(40),directorv varchar(40),release date varchar(40),ratePoint float(5,2));

1.1 :-Write a Servlet to fetch the movie at id 9.

Code:- FetchMovie.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

public class FetchMovie extends HttpServlet {

private static final long serialVersionUID = 1L;

public FetchMovie() {

super();

// TODO Auto-generated constructor stub

}

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws

ServletException, IOException {

// TODO Auto-generated method stub

PrintWriter pw=response.getWriter();

response.setContentType("text/html");

int id=Integer.parseInt(request.getParameter("Id"));

try {

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

String url="jdbc:mysql://localhost:3306/tybca2024";

String username="root";

String password="root";

Connection con=DriverManager.getConnection(url,username,password);

String query="Select \* from moviee where Id=?";

PreparedStatement pstmt=con.prepareStatement(query);

pstmt.setInt(1, id);

ResultSet rs=pstmt.executeQuery();

if(rs.next()) {

pw.println("Name:"+rs.getString("name")+"<br>");

pw.println("Actor:"+rs.getString("actor")+"<br>");

pw.println("Actress:"+rs.getString("actress")+"<br>");

pw.println("Director:"+rs.getString("director")+"<br>");

pw.println("Release Date:"+rs.getString("releaseDate")+"<br>");

pw.println("Rating Point:"+rs.getString("ratePoint")+"<br>");

}

else {

pw.print("No record found..");

}

}

catch (Exception e) {

e.printStackTrace();

}

}

1.2 :-Write a servlet to fetch all the movie released between 3rd Jan 2015 and 3rd Jan 2016.

Code:-FetchMovie.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form action="FetchMoviesRelease" method="post">

<h3>Press OK to fetch all the movies released between</h3><h3>3rd jan 2015 and 3rd jan 2016</h3>

<input type="submit" value="OK" />

</form>

</body>

</html>

Code:-FetchMoviesReleased.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.ResultSetMetaData;

public class FetchMoviesRelease extends HttpServlet {

private static final long serialVersionUID = 1L;

public FetchMoviesRelease() {

super();

// TODO Auto-generated constructor stub

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws

ServletException, IOException {

// TODO Auto-generated method stub

PrintWriter out=response.getWriter();

try {

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

String url="jdbc:mysql://localhost:3306/tybca2024";

String username="root";

String password="root";

Connection con=DriverManager.getConnection(url,username,password);

PreparedStatement ps = con.prepareStatement("select \* from moviee where releaseDate

BETWEEN '2001-01-03' AND '2016-01-03'");

ResultSet rs = ps.executeQuery();

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

out.print("<caption>Movie detail:</caption>");

out.print("<tr>");

ResultSetMetaData rsmd= rs.getMetaData();

int total = rsmd.getColumnCount();

for (int i = 1; i<= total; i++) {

out.print("<th>" + rsmd.getColumnName(i)+ "</th>");

}

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

while(rs.next()) {

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

for (int i =1; i <= total; i++) {

out.print("<td>" +rs.getString(i) + "</td>");

}

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

}

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

}catch(ClassNotFoundException | SQLException ex) {

out.println(ex);

}finally {

out.close();

}

}

private void getMetaData() {

// TODO Auto-generated method stub

}

2:-Write a servlet program to redirect the request to another servlet which requires a String as the

Parameter and the other Servlet and the other servlet converts the string to lowercase.

Code:-lowercase.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

public class lowercase extends HttpServlet {

private static final long serialVersionUID = 1L;

public lowercase() {

super();

// TODO Auto-generated constructor stub

}

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws

ServletException, IOException {

// TODO Auto-generated method stub

PrintWriter pw=response.getWriter();

response.setContentType("text/html");

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

text=text.toLowerCase();

pw.println("<html><body>");

pw.println("<h1>Lower Case Servlet</h1>");

pw.println("<b>"+text+"</b>");

pw.println("</body></html>");

pw.close();

}

}

slip:-2

1:-Write a JSP code to accept a number and revert whether the number is prime or not.

Code:Prime.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<% int number=Integer.parseInt(request.getParameter("number"));

boolean flag = false;

for (int i= 2; i <= number / 2; ++i){

if(number % i == 0){

flag = true;

break;

}

}

if(!flag){

%>

<h1><%= number %>is a Prime Number</h1>

<%

}

else {

%>

<h1> <%= number%> is NOT a Prime Number</h1>

<%

}

%>

</body>

</html>

2:-Write a servlet Program to accept a String and determine whether the Strings length is greater than 6.

Code:-lengthCheck.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

int length=text.length();

if(length>=6){

%>

<h1><%=text %> length is greater or equal than 6</h1>

<%

}

else{

%>

<h1><%=text %>length is lesser than 6</h1>

<%

}

%>

</body>

</html>

slip:-3

1:-Write a servlet to determine whether the entered name from the html form is Palindrome or not.

Code:-Palindrome.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form name="frm" method="post" action="Palindrome.java">

Enter first number:<input type=”text" name=”txtpali”/>

<input type="submit" value="Submit">

</form>

</body>

</html>

Code:-Palindrome.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

@WebServlet("/Palindrome")

public class Palindrome extends HttpServlet {

private static final long serialVersionUID = 1L;

public Palindrome() {

super();

// TODO Auto-generated constructor stub

}

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

// TODO Auto-generated method stub

PrintWriter pw;

response.setContentType("text/html");

pw=response.getWriter();

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

StringBuffer sb=new StringBuffer(name);

String rev=sb.reverse().toString();

if(name.equalsIgnoreCase(rev))

pw.println(name+ " is a palindrome.");

else

pw.println(name+ " is not a palindrome.");

pw.close();

}

}

2:-Write a servlet program to redirect the request to another servlet which requires a String as the Parameter and the other Servlet and the other servlet converts the string to lowercase.

Code:-lowercase.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

public class lowercase extends HttpServlet {

private static final long serialVersionUID = 1L;

public lowercase() {

super();

// TODO Auto-generated constructor stub

}

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

// TODO Auto-generated method stub

PrintWriter pw=response.getWriter();

response.setContentType("text/html");

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

text=text.toLowerCase();

pw.println("<html><body>");

pw.println("<h1>Lower Case Servlet</h1>");

pw.println("<b>"+text+"</b>");

pw.println("</body></html>");

pw.close();

}

}

slip:-4

1:-rite a servlet Program to accept a String and determine whether the Strings length is greater than 6.

Code:-lengthCheck.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

int length=text.length();

if(length>=6){

%>

<h1><%=text %> length is greater or equal than 6</h1>

<%

}

else{

%>

<h1><%=text %>length is lesser than 6</h1>

<%

}

%>

</body>

</html>

2:-Send a text email using Java Code.

Code:-App.java

package com.sendmail;

import java.util.Properties;

import java.io.File;

import javax.mail.Message;

import javax.mail.PasswordAuthentication;

import javax.mail.Session;

import javax.mail.Transport;

import javax.mail.internet.InternetAddress;

import javax.mail.internet.MimeBodyPart;

import javax.mail.internet.MimeMessage;

import javax.mail.internet.MimeMultipart;

public class App

{

private static final String host = "smtp.gmail.com";

private static final String username = "qazisaarika@gmail.com";

private static final String password = "yaxs tnbu bbsy eniq";

private static final int port = 587;

private static final String to = "shaikhinaya9321@gmail.com";

public static void main( String[] args )

{

String msg = "Hello Dear";

String submsg = "Trail Mail";

//sendMail(msg, submsg, to, username);

}

private static void sendMail(String message, String subject, String to2, String from) {

// TODO Auto-generated method stub

Properties properties = new Properties();

properties.put("mail.smtp.host", host);

properties.put("mail.smtp.port", port);

properties.put("mail.smtp.auth", "true");

properties.put("mail.smtp.starttls.enable","true");

Session session = Session.getInstance(properties, new javax.mail.Authenticator() {

protected PasswordAuthentication getPasswordAuthentication() {

return new PasswordAuthentication(username, password);

}

});

session.setDebug(true);;

MimeMessage m = new MimeMessage(session);

try {

m.setFrom(new InternetAddress(from));

m.addRecipient(Message.RecipientType.TO, new InternetAddress(to));

m.setSubject(subject);

m.setText(message);

Transport.send(m);

System.out.println("Email sent Successfully!");

}catch(Exception e) {

e.printStackTrace();

}

}

}

slip:-5

1:-Write a servlet Program to accept a String and determine whether the Strings length is greater than 6.

Code:-lengthCheck.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

int length=text.length();

if(length>=6){

%>

<h1><%=text %> length is greater or equal than 6</h1>

<%

}

else{

%>

<h1><%=text %>length is lesser than 6</h1>

<%

}

%>

</body>

</html>

2:-Make 2 JSP Pages, accept the username and password from first page, if the username is tom and password is tommy, login will be successful and redirect it to loggedin.jsp page and store the username in session from login and display it on loggedin.jsp.

Code:-login.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form action="login.jsp">

User name:<input type="text" name="username">

<br><br>

Password:<input type="password" name="password">

<br><br>

<input type="submit">

</form>

</body>

</html>

Code:-login.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

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

if(username.equals("tom")&& password.equals("tommy"))

{

session.setAttribute("username", username);

RequestDispatcher dispatcher=request.getRequestDispatcher("/Loggedin.jsp");

dispatcher.forward(request,response);

}

else{

session.invalidate();

RequestDispatcher dispatcher=request.getRequestDispatcher("/login.html");

dispatcher.forward(request,response);

}

%>

</body>

</html>

Code:-loggedin.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

String username=(String)session.getAttribute("username");

%>

<h1>Welcome <%=username %></h1>

</body>

</html>

slip:-6

1:-Write a servlet Program to accept a String and determine whether the Strings length is greater than 6.

Code:-lengthCheck.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

int length=text.length();

if(length>=6){

%>

<h1><%=text %> length is greater or equal than 6</h1>

<%

}

else{

%>

<h1><%=text %>length is lesser than 6</h1>

<%

}

%>

</body>

</html>

2:-Write a JSP code to store the data from a form into a database table

Using JDBC.

Code:-MovieRegistration.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form method="post" action="StoreMovie.jsp">

<div>

<label>Enter Movie Name: </label>

<input type="text" name="name">

</div>

<br><br>

<div>

<label>Enter Actor Name: </label>

<input type="text" name="actor">

</div>

<br><br>

<div>

<label>Enter Actress Name: </label>

<input type="text" name="name">

</div>

<br><br>

<div>

<label>Enter Director Name: </label>

<input type="text" name="director">

</div>

<br><br>

<div>

<label>Enter Release Date: </label>

<input type="text" name="rDate">

</div>

<br><br>

<div>

<label>Enter Rate Point: </label>

<input type="text" name="rPoint">

</div>

<br><br>

<div>

<input type="submit" value="Add movie">

</div>

</form>

</body>

</html>

Code:-StoreMovie.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

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

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

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

String releaseDate=request.getParameter("rDate");

String rPoints=request.getParameter("rPoint");

float ratePoints=Float.parseFloat(rPoints);

try {

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

String url="jdbc:mysql://localhost:3306/hindujabca2022";

String username="root";

String password="admin";

Connection con=DriverManager.getConnection(url,username,password);

String query="Insert into movie(name,actor,actress,director,releaseDate,ratePoints) values "

+ "(?,?,?,?,?,?);";

PreparedStatement pstmt=con.prepareStatement(query);

pstmt.setString(1,name);

pstmt.setString(2,actor);

pstmt.setString(3,actress);

pstmt.setString(4,director);

pstmt.setString(5,releaseDate);

pstmt.setFloat(6, ratePoints);

int rowsInserted=pstmt.executeUpdate();

if(rowsInserted==1) {

%>

<h3>Record Inserted Successfully</h3>

<%

}

}

catch (Exception e) {

// TODO: handle exception

e.printStackTrace();

}

%>

</body>

</html>

slip:-7

1:-Write a Java Program to print the following.

11111

2222

333

44

5

Code:- Pattern.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

int n=5;

for(int i=1; i<=n;i++)

{

for(int j=1;j<=n-i+1;j++){

out.println(i);

}

out.println("<br>");

}

%>

</body>

</html>

slip:-8

Write a JSP code to store the data from a form into a database table

Using JDBC.

Code:-MovieRegistration.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form method="post" action="StoreMovie.jsp">

<div>

<label>Enter Movie Name: </label>

<input type="text" name="name">

</div>

<br><br>

<div>

<label>Enter Actor Name: </label>

<input type="text" name="actor">

</div>

<br><br>

<div>

<label>Enter Actress Name: </label>

<input type="text" name="name">

</div>

<br><br>

<div>

<label>Enter Director Name: </label>

<input type="text" name="director">

</div>

<br><br>

<div>

<label>Enter Release Date: </label>

<input type="text" name="rDate">

</div>

<br><br>

<div>

<label>Enter Rate Point: </label>

<input type="text" name="rPoint">

</div>

<br><br>

<div>

<input type="submit" value="Add movie">

</div>

</form>

</body>

</html>

Code:-StoreMovie.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

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

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

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

String releaseDate=request.getParameter("rDate");

String rPoints=request.getParameter("rPoint");

float ratePoints=Float.parseFloat(rPoints);

try {

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

String url="jdbc:mysql://localhost:3306/hindujabca2022";

String username="root";

String password="admin";

Connection con=DriverManager.getConnection(url,username,password);

String query="Insert into movie(name,actor,actress,director,releaseDate,ratePoints) values "

+ "(?,?,?,?,?,?);";

PreparedStatement pstmt=con.prepareStatement(query);

pstmt.setString(1,name);

pstmt.setString(2,actor);

pstmt.setString(3,actress);

pstmt.setString(4,director);

pstmt.setString(5,releaseDate);

pstmt.setFloat(6, ratePoints);

int rowsInserted=pstmt.executeUpdate();

if(rowsInserted==1) {

%>

<h3>Record Inserted Successfully</h3>

<%

}

}

catch (Exception e) {

// TODO: handle exception

e.printStackTrace();

}

%>

</body>

</html>

2:-Create the database as given below. Enter the sample data.

id temp city precipitation wind humidity date

int float varchar float int float date

25.5C mumbai 3.0% 25km/hr 20% 2016-04-18

JDBC-1(2):-Show the highest temperature for the city of Mumbai for the month of January 2016.

Code:-practicalb.java

package Mypack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

public class practicalb {

public static void main(String[] args) {

// TODO Auto-generated method stub

String url ="jdbc:mysql://localhost:3306/tybca2024";

String user = "root";

String password ="root";

String query = "SELECT max(temp) as htemp FROM sample2 WHERE city='Mumbai' and MONTH(date)=01 and YEAR(date)=2016";

try

{

Connection conn = DriverManager.getConnection(url, user, password);

PreparedStatement preparedStatement = conn.prepareStatement(query);

ResultSet resultSet = preparedStatement.executeQuery();{

resultSet.next();

System.out.println(resultSet.getDouble("htemp"));

}

}catch (SQLException e) {

e.printStackTrace();

}

}

JDBC-1(3):-List the temperatures for the city of Mumbai and Delhi in order of their humidity(from highest to lowest).

Code:-practicalc.java

package Mypack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

public class practicalc {

public static void main(String[] args) {

// TODO Auto-generated method stub

String url ="jdbc:mysql://localhost:3306/tybca2024";

String user = "root";

String password ="root";

String query = "SELECT city, temp, humidity FROM sample2 " + "WHERE city IN ('Mumbai', 'Delhi')ORDER BY humidity";

try (

Connection conn = DriverManager.getConnection(url, user, password);

PreparedStatement preparedStatement = conn.prepareStatement(query);

ResultSet resultSet = preparedStatement.executeQuery()){

while(resultSet.next()){

String city = resultSet.getString("city");

double temperature = resultSet.getDouble("temp");

double humidity = resultSet.getDouble("humidity");

System.out.println("city: " + city + ", temperatur: "+ temperature +" degree Celsius, Humidity:" + humidity + "%");

}

}catch (SQLException e) {

e.printStackTrace();

}

}

}

JDBC-1(4):-List the temperature for the city of Banglore for the month of February 2016.

Code:-practicald.java

package Mypack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

public class practicalD {

public static void main(String[] args) {

// TODO Auto-generated method stub

String url ="jdbc:mysql://localhost:3306/tybca2024";

String user = "root";

String password ="root";

String query = "SELECT temp FROM sample2 " + "WHERE city ='banglore' AND MONTH(date) = 2 AND YEAR(date)=2016";

try (

Connection conn = DriverManager.getConnection(url, user, password);

PreparedStatement preparedStatement = conn.prepareStatement(query);

ResultSet resultSet = preparedStatement.executeQuery()){

if (resultSet.next()){

double temperature = resultSet.getDouble("temp");

System.out.println("The temperature in banglor is Februry 2016 was:"+ temperature + "degrees Celsius");

}

else {

System.out.println("No temperature data found for Banglore in February 2016");

}

}catch (SQLException e) {

e.printStackTrace();

}

}

}

JDBC-1(5):-Show all the days where temperature was above 30dc,using Set.

Code:-practicale.java

package Mypack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.HashSet;

import java.util.Set;

public class practicalE {

public static void main(String[] args) {

// TODO Auto-generated method stub

String url ="jdbc:mysql://localhost:3306/tybca2024";

String user = "root";

String password ="root";

Set<String> highTemperatureDays = new HashSet<>();

String query = "SELECT date, city FROM sample2 WHERE temp > 30";

try (

Connection conn = DriverManager.getConnection(url, user, password);

PreparedStatement preparedStatement = conn.prepareStatement(query);

ResultSet resultSet = preparedStatement.executeQuery()){

while(resultSet.next()){

String date = resultSet.getString("date");

String city = resultSet.getString("city");

highTemperatureDays.add(date);

highTemperatureDays.add(city);

}

if(!highTemperatureDays.isEmpty()) {

System.out.println("Day where temperaturte was above 30 C:");

for (String day : highTemperatureDays) {

System.out.println(day);

}

}else {

System.out.println("No day found where temperature was above 30 c");

}

}catch (SQLException e) {

e.printStackTrace();

}

}

}

JDBC-1(6):-List the temperatures for the city of Banglore in order of their precipitation(from highest to lowest).

Code:-practicalf.java

package Mypack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

public class practicalF {

public static void main(String[] args) {

// TODO Auto-generated method stub

String url ="jdbc:mysql://localhost:3306/tybca2024";

String user = "root";

String password ="root";

String query = "SELECT temp, precipitation FROM sample2 WHERE city = 'banglore' ORDER BY precipitation DESC";

try (

Connection conn = DriverManager.getConnection(url, user, password);

PreparedStatement preparedStatement = conn.prepareStatement(query);

ResultSet resultSet = preparedStatement.executeQuery()){

while (resultSet.next()){

double temperature = resultSet.getDouble("temp");

double precipitation = resultSet.getDouble("precipitation");

System.out.println("Temperature: "+ temperature + "degrees Celsius, Precipitation" + precipitation +"mm");

}

}catch (SQLException e) {

e.printStackTrace();

}

}

}

JDBC-1(7):-Sort the list of temperature according to the name of the cities.

Code:-practicalg.java

package Mypack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

public class practicalF {

public static void main(String[] args) {

// TODO Auto-generated method stub

String url ="jdbc:mysql://localhost:3306/tybca2024";

String user = "root";

String password ="root";

String query = "SELECT temp, precipitation FROM sample2 WHERE city = 'banglore' ORDER BY precipitation DESC";

try (

Connection conn = DriverManager.getConnection(url, user, password);

PreparedStatement preparedStatement = conn.prepareStatement(query);

ResultSet resultSet = preparedStatement.executeQuery()){

while (resultSet.next()){

double temperature = resultSet.getDouble("temp");

double precipitation = resultSet.getDouble("precipitation");

System.out.println("Temperature: "+ temperature + "degrees Celsius, Precipitation" + precipitation +"mm");

}

}catch (SQLException e) {

e.printStackTrace();

}

}

}

slip:-9

JSP-2(1):-Write a Java Program to print the following.

11111

2222

333

44

5

Code:- Pattern.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

int n=5;

for(int i=1; i<=n;i++)

{

for(int j=1;j<=n-i+1;j++){

out.println(i);

}

out.println("<br>");

}

%>

</body>

</html>

2:-Write a servlet program to print all the Even numbers between the two entered numbers by the user, let say user enters 5 and 500, so print the even numbers between 5 and 500.

Code:-EvenAll.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form name="frm" method="post" action="EvenAll">

Enter first number:<input type="text" name="t1" value=""/>

Enter second number:<input type="text" name="t2" value=""/>

<input type="submit" value="Submit">

</form>

</body>

</html>

Code:-EvenAll.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

@WebServlet("/EvenAll")

public class EvenAll extends HttpServlet {

private static final long serialVersionUID = 1L;

public EvenAll() {

super();

// TODO Auto-generated constructor stub

}

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

// TODO Auto-generated method stub

PrintWriter pw;

response.setContentType("text/html");

pw=response.getWriter();

int n1= Integer.parseInt(request.getParameter("t1"));

int n2= Integer.parseInt(request.getParameter("t2"));

pw.println("Even nos. between "+n1 +"and "+n2+" are: ");

for(int i=n1;i<=n2;i++)

{

if(i%2==0)

pw.print(" "+i);

}

}

}

slip10:-

1:-Write a JSP program to redirect to Google.com.

Code:-Redirect.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

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

int length=text.length();

if(length>=6){

%>

<h1><%=text %> length is greater or equal than 6</h1>

<%

}

else{

%>

<h1><%=text %>length is lesser than 6</h1>

<%

}

%>

</body>

</html>

2:-Write a servlet program to print all the Even numbers between the two entered numbers by the user, let say user enters 5 and 500, so print the even numbers between 5 and 500.

Code:-EvenAll.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<form name="frm" method="post" action="EvenAll">

Enter first number:<input type="text" name="t1" value=""/>

Enter second number:<input type="text" name="t2" value=""/>

<input type="submit" value="Submit">

</form>

</body>

</html>

Code:-EvenAll.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

@WebServlet("/EvenAll")

public class EvenAll extends HttpServlet {

private static final long serialVersionUID = 1L;

public EvenAll() {

super();

// TODO Auto-generated constructor stub

}

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

// TODO Auto-generated method stub

PrintWriter pw;

response.setContentType("text/html");

pw=response.getWriter();

int n1= Integer.parseInt(request.getParameter("t1"));

int n2= Integer.parseInt(request.getParameter("t2"));

pw.println("Even nos. between "+n1 +"and "+n2+" are: ");

for(int i=n1;i<=n2;i++)

{

if(i%2==0)

pw.print(" "+i);

}

}

}

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𝒇𝒊𝒏𝒊𝒔𝒉 𝒂𝒅𝒗𝒂𝒏𝒄𝒆 𝒋𝒂𝒗𝒂