**CODE**

**index.jsp**

<%--

Document : index

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Author : dypiemr-

--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>ODD EVEN SORT</title>

</head>

<body>

<h1>ODD EVEN SORT</h1>

<form action="OddEven">

Enter number 1

<input type="text" name="no0" value="" /><br><br>

Enter number 2

<input type="text" name="no1" value="" /><br><br>

Enter number 3

<input type="text" name="no2" value="" /><br><br>

Enter number 4

<input type="text" name="no3" value="" /><br><br>

Enter number 5

<input type="text" name="no4" value="" /><br><br>

Enter number 6

<input type="text" name="no5" value="" /><br><br>

<input type="submit" value="Display Answer" name="btn"/><br><br>

<input type="reset" value="Reset Value" /><br><br>

</form>

</body>

</html>

**OddEven.java**

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;

@WebServlet(urlPatterns = {"/OddEven"})

public class OddEven extends HttpServlet

{

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

{

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

int i, n;

int[] array = new int[6];

try

{

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet Oddevents</title>");

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

out.println("<body>");

for(i=0;i<6;i++)

{

String num=request.getParameter("no"+i);

n=Integer.parseInt(num);

array[i]=n;

}

out.println("Values Before the sort:\n\n");

for (i = 0; i < array.length; i++)

{

out.println(array[i] + " \n ");

}

out.println();

odd\_even\_srt(array, array.length);

out.println("Values after the sort:\n\n");

for (i = 0; i < array.length; i++)

{

out.println(array[i] + " \n ");

}

out.println();

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

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

}

finally

{

out.close();

}

}

public static void odd\_even\_srt(int array[], int n)

{

for (int i = 0; i < n / 2; i++)

{

for (int j = 0; j + 1 < n; j += 2)

{

if (array[j] > array[j + 1])

{

int T = array[j];

array[j] = array[j + 1];

array[j + 1] = T;

}

}

for (int j = 1; j + 1 < array.length; j += 2)

{

if (array[j] > array[j + 1])

{

int T = array[j];

array[j] = array[j + 1];

array[j + 1] = T;

}

}

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

\* Handles the HTTP <code>GET</code> method.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

/\*\*

\* Handles the HTTP <code>POST</code> method.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

/\*\*

\* Returns a short description of the servlet.

\*

\* @return a String containing servlet description

\*/

@Override

public String getServletInfo() {

return "Short description";

}// </editor-fold>

}

**Mytest.java**

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Mytest

{

public static void main(String[] args)

{

WebDriver driver = new FirefoxDriver();

String baseUrl = "http://localhost:8080/OddEvenSort/";

driver.get(baseUrl);

String expected = "JSP Page";

String actual = "";

driver.manage().window().maximize();

actual = driver.getTitle();

if (actual.equals(expected))

{

System.out.println("Title test passed");

}

else

{

System.out.println("Title test failed");

}

WebElement text=driver.findElement(By.name("no0"));

text.sendKeys("5");

WebElement text1=driver.findElement(By.name("no1"));

text1.sendKeys("25");

WebElement text2=driver.findElement(By.name("no2"));

text2.sendKeys("50");

WebElement text3=driver.findElement(By.name("no3"));

text3.sendKeys("56");

WebElement text4=driver.findElement(By.name("no4"));

text4.sendKeys("23");

WebElement text5=driver.findElement(By.name("no5"));

text5.sendKeys("90");

WebElement btn=driver.findElement(By.name("btn"));

btn.click();

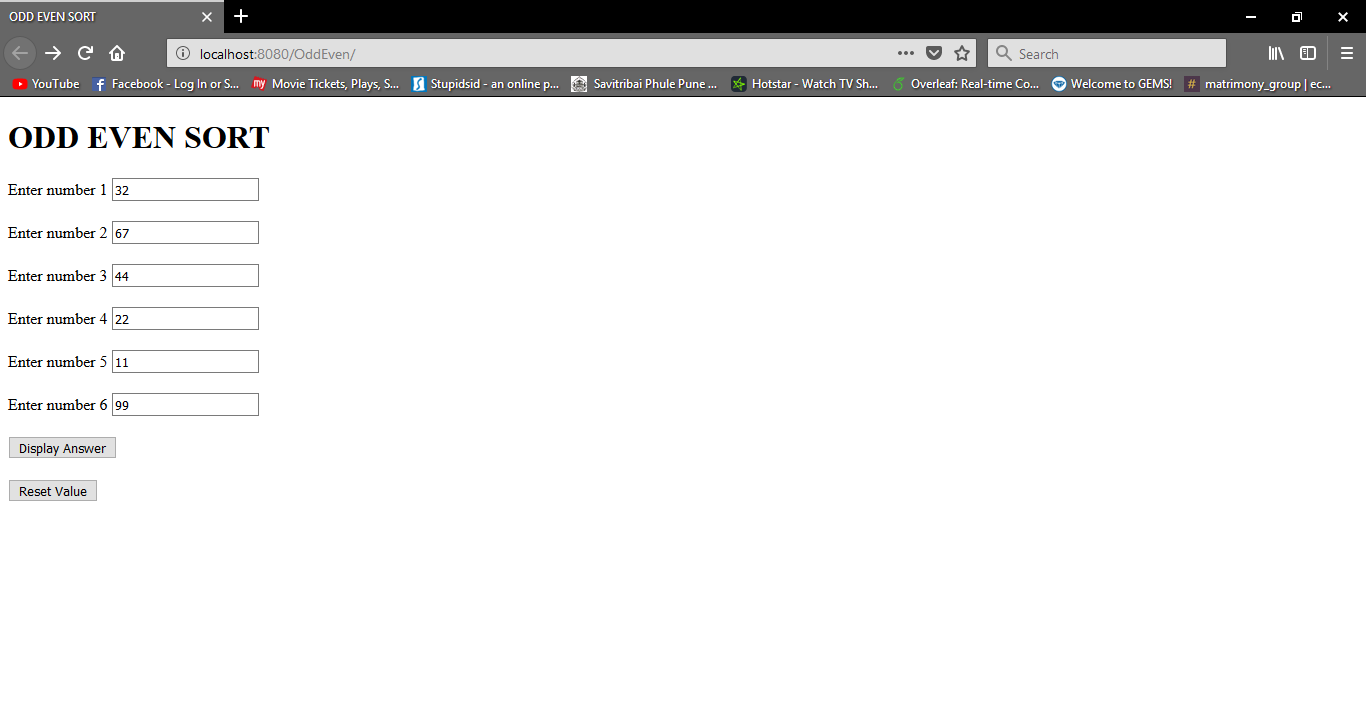
System.out.println(" test script sucessful");

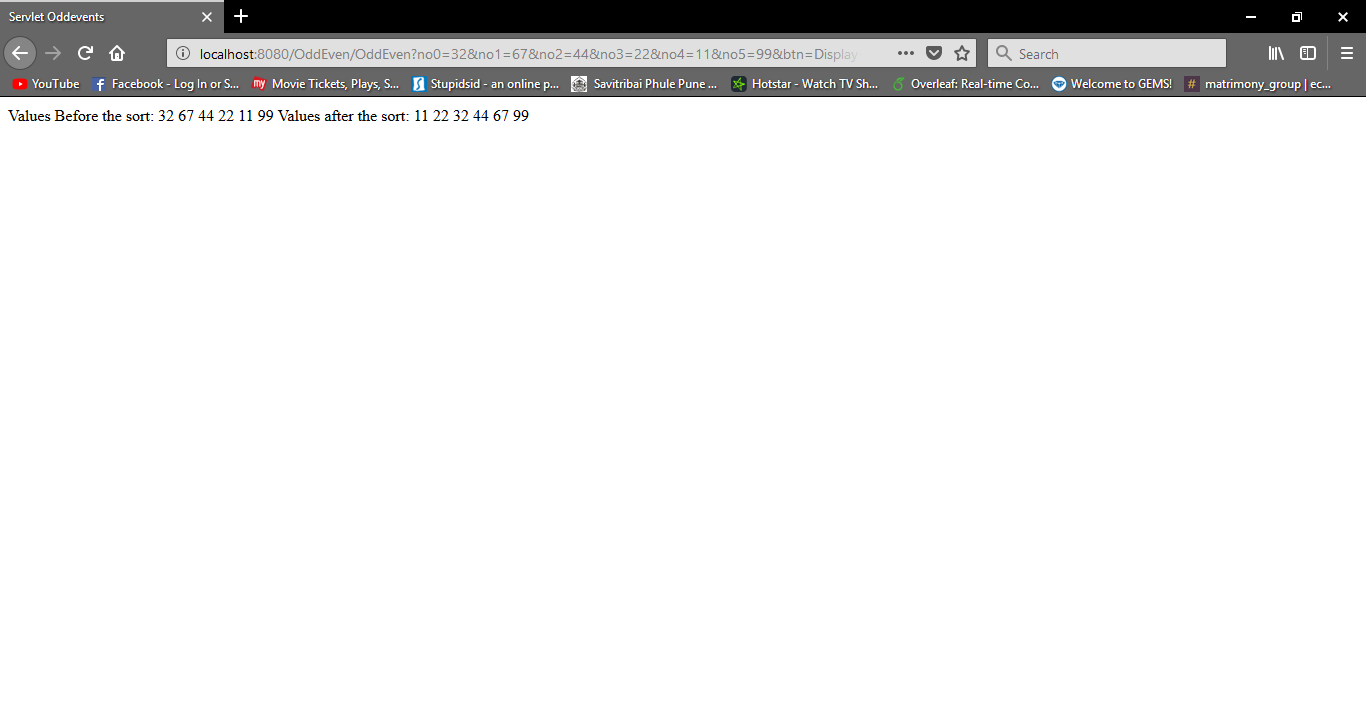
driver.close();

}

}

**OUTPUT**

****

****