**//NewFile1.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Odd Even Sort</title>

</head>

<body>

<h1> Odd-Even Sort using CloudFoundry </h1>

<form action=*"sortnew.jsp"*>

Enter numbers:<input name=*"nos"* id=*"nos"*></input>

<input type=*"submit"* value=*"Sort"*/>

</form>

</body>

</html>

**//sortnew.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!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=UTF-8"*>

<title>odd-even sort</title>

</head>

<body>

<%

**int** i,j,temp;

String nos = request.getParameter("nos"); //take input from html

String[] s = nos.split(" "); //split and store in array s

**int**[] a = **new** **int**[s.length]; //calculate number of elements and create array a accordingly

**for**(i=0;i<s.length;i++)

{

a[i]=Integer.parseInt(s[i]);

}

**for**(**int** k=0;k<a.length;k++) //pass

{

//even sort

**for**(j=0;j<a.length-1;j++)

{**if**(j%2==0)

{

**if**(a[j] > a[j+1])

{

temp=a[j];

a[j]=a[j+1];

a[j+1]=temp;

}

}

}

//odd sort

**for**(j=0;j<a.length-1;j++)

{

**if**(j%2!=0)

{

**if**(a[j] > a[j+1])

{

temp=a[j];

a[j]=a[j+1];

a[j+1]=temp;

}

}

}

}

%>

Sorted Array:

<%

**for**(i=0;i<a.length;i++)

{

%>

<%= a[i]%>

<%//out.println(a[i]);

}

%>

</body>

</html>

**//web.xml**

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

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd" id="WebApp\_ID" version="3.1">

<display-name>tushar\_cloud1</display-name>

<welcome-file-list>

<welcome-file>NewFile1.html</welcome-file>

<welcome-file>index.htm</welcome-file>

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

<welcome-file>default.html</welcome-file>

<welcome-file>default.htm</welcome-file>

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

</welcome-file-list>

</web-app>