THE STATE UNIVERSITY OF ZANZIBAR

(SUZA)

SCHOOL OF BUSINESS

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOY

MOBILE APPLICATION DEVELOPMENT

INDIVIDUAL ASSIGNMENT

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REG NO:　　　**BITA/2/18/029/TZ**

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PATH
https://github.com/aliseif549/ali.githttps://github.com/aliseif549/ali.git

Index.jsp

```jsp
  Date: 12/07/2020
  Time: 19:44
  To change this template use File | Settings | File Templates.
--%>
<%@ page language="java" import="java.util.*"
         contentType="text/html;charset=utf-8"%>
<html>
<head>
</head>
<body>
<%
  String message=(String)session.getAttribute("message");
%>
<form action="Servlet" methods="post">
  <input type="text" name="guessnumber" size=8>
  <%=message %>
  <input type="submit" name ="button" >
</form>
<form action="index.jsp" method="post">
  <input type="submit" name ="button" >
</form>
</body>
</html>
```

Web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
         xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
         version="4.0">
    <servlet>
        <servlet-name>Servlet</servlet-name>
        <servlet-class>Servlet</servlet-class>
    </servlet>

    <servlet-mapping>
        <servlet-name>Servlet</servlet-name>
        <url-pattern>/Servlet</url-pattern>
    </servlet-mapping>
</web-app>
```

Servlet.java

```java
import java.io.IOException;
import java.io.PrintWriter;

import javax.jms.Session;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

public class Servlet extends HttpServlet {
    public void doPost(HttpServletRequest request,HttpServletResponse response)
            throws ServletException,IOException{
        request.setCharacterEncoding("utf-8");
        response.setContentType("text/html;charset=utf-8");
        PrintWriter out=response.getWriter();
        //Get the number of customer guesses submitted
        int guessNumber=Integer.parseInt(request.getParameter( s: "guessnumber"));
        //Get the client's session object
        HttpSession session=request.getSession();
        Integer integer=(Integer)session.getAttribute( s: "saveNumber");
        int realNumber=integer.intValue();
        System.out.println(realNumber);
        System.out.println(guessNumber);
        System.out.println(" I'm thinking of a number between 1 and 100. Guess what it is.");
        if(guessNumber>realNumber){
            session.setAttribute( s: "message",  o: "guess big");
            System.out.println ("No, that's too low. Guess again.");
            response.sendRedirect( s: "input.jsp");
```

```
          }
        else if(guessNumber<realNumber){
            session.setAttribute ( s: "message",  o: "guess small");
            System.out.println ("No, that's too high. Guess again.");
            response.sendRedirect( s: "input.jsp");
        }
        else if(guessNumber<realNumber){
            session.setAttribute( s: "message",  o: "you guessed it right");
            System.out.println ("No, that's too low. Guess again.");
            response.sendRedirect( s: "input.jsp");
        }
        else if(guessNumber<realNumber){
            session.setAttribute( s: "massage",  o: "you guessed it right");
            System.out.println("No, that's too low. Guess again.");
            response.sendRedirect( s: "input.jsp");
        }
        else{
            session.setAttribute( s: "masaage",  o: "you guessed it right");
            System.out.println("That's right! You guessed my number in only 5 tries! Would you like to play again?");
            response.sendRedirect( s: "input.jsp");
        }
    }
    public void doGet(HttpServletRequest request,HttpServletResponse response)
            throws ServletException,IOException{
        doPost(request,response);
    }

}
```

Output

Input.jsp

```jsp
<%--
  Created by IntelliJ IDEA.
  User: bin seif
  Date: 12/07/2020
  Time: 19:47
  To change this template use File | Settings | File Templates.
--%>
<%@ page language="java" import="java.util.*" pageEncoding="utf-8"
         contentType="text/html;Charset=utf-8"%>
<html>
<head>
</head>
<body>
[% session. SetAttribute ("message", "please guess");
// HttpSession session =request.getSession(true);
Int randomnumber = (int) (math. Random() * 100) + 1; // get a random number
session.setAttribute("saveNumber",new Integer(randomNumber));
%>
<p>Visit or refresh this page to randomly drop a number between 1 and 100
    <br>Click the link below to go to guess the number
    < a href = "input.jsp" rel = "external nofollow" > guess the number</a>
</body>
</html>
```