

Source Code for FlyAway:

1. Connection.util.java:

```
package com.flightbooking.database;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;

import com.simplelearn.util.StringUtil;
public class ConnectionUtil {
    public Connection con=null;
    public Statement st=null;
    public ConnectionUtil() throws ClassNotFoundException, SQLException{
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway","root","Vyshi@1432");
        System.out.println("connection established with database");
        st=con.createStatement();
    }
    public List<String[]> getAvailableFlights(String f, String t, String d) {
        List<String[]> flights=new ArrayList<>();
        String query="SELECT * FROM flyaway.flights where fromf='"+f+"' and tof='"+t+"' and datef='"+d+"'";
        try {
            ResultSet rs=st.executeQuery(query);
            if(rs.next()) {
                String[] flight=new String[3];
                flight[0]=rs.getString("name");
                flight[1]=rs.getString("timef");
                flight[2]=rs.getString("price");
                flights.add(flight);
            }
            return flights;
        } catch (SQLException e) {
            e.printStackTrace();
        }
        return null;
    }
    public HashMap<String, String> checkUser(String email, String password) {
        HashMap<String,String> user=null;
        String query="select * from user where email='"+email+"' and password='"+password+"'";
        try {
            ResultSet rs=st.executeQuery(query);
            if(rs.next()) {
```

```

user=new HashMap<>();
user.put("name", rs.getString("name"));
user.put("email",rs.getString("email"));
user.put("phno",rs.getString("phno"));
user.put("adno",rs.getString("adno"));
}
return user;
} catch (SQLException e) {
e.printStackTrace();
}
return user;
}
public boolean insertUser(HashMap<String, String> user) {
String query="INSERT INTO user (email, password, name, phno, adno)
values('"+user.get("email")+"','"+user.get("password")+"','"+user.get("name")+"','
"+user.get("phno")+"','"+user.get("adno")+"')";
try {
st.execute(query);
return true;
} catch (SQLException e) {
e.printStackTrace();
}
return false;
}
public boolean checkAdmin(String email, String password) {
try {
ResultSet rs=st.executeQuery("select * from admin where email='"+email+"' and
password='"+password+"'");
if(rs.next())
return true;
} catch (SQLException e) {
e.printStackTrace();
}
return false;
}
public boolean changeAdminPassword(String email, String password) {
try {
ResultSet rs=st.executeQuery("select * from admin where email='"+email+"'");
if(!rs.next()) {
return false;
}
st.execute("update admin set password='"+password+"' where email='"+email+"'");
return true;
} catch (SQLException e) {
e.printStackTrace();
}
return false;
}
public boolean insertFlight(HashMap<String, String> flight) throws SQLException {

```

```

//PreparedStatement stm=con.prepareStatement("INSERT INTO 'flyaway.flights'('name', 'from', 'to', 'date',
'time', 'price') values(?,?,?,?,?,?)");
//String sql="INSERT INTO flights
('name','from','to','date','time','price')values("+flight.get("name")+",""+flight.get("from")+",""+flight.get("to")
")+",""+flight.get("date")+",""+flight.get("time")+",""+flight.get("price")+""");String query1 = "INSERT
INTO flights (name, fromf, tof, datef, timef, price)VALUES" + "("+
StringUtil.fixSqlFieldValue(flight.get("name")) + "," + " " + StringUtil.fixSqlFieldValue(flight.get("from"))
+ "," + " " + StringUtil.fixSqlFieldValue(flight.get("to")) + "," + " "
+StringUtil.fixSqlFieldValue(flight.get("date")) + "," + " " + StringUtil.fixSqlFieldValue(flight.get("time"))
+ "," + " " + StringUtil.fixSqlFieldValue(flight.get("price")) + """);
//String sql="INSERT INTO `flyaway`.`flights` (`name`, `fromf`, `tof`, `datef`, `timef`, `price`) VALUES
('indigo', 'hyd', 'viz', '2021-04-08', '10:00', '2000');";
String query1 = "INSERT INTO flights (name, fromf, tof, datef, timef, price) VALUES" + "("+
StringUtil.fixSqlFieldValue(flight.get("name")) + "," + " " + " " +
StringUtil.fixSqlFieldValue(flight.get("from")) + "," + " " + " " + StringUtil.fixSqlFieldValue(flight.get("to")) +
"," + " " + " " +StringUtil.fixSqlFieldValue(flight.get("date")) + "," + " " + " " +
StringUtil.fixSqlFieldValue(flight.get("time")) + "," + " " + " " + StringUtil.fixSqlFieldValue(flight.get("price"))
+ """);
System.out.println(flight.get("date"));
System.out.println(flight.get("time"));
//String query1="INSERT into flyaway.flights (name,from,to,date,time,price)
values('indigo','hyd','viz','24-02-2022','10:30','2000')";
try {
//stm.execute();
st.execute(query1);
return true;
} catch (SQLException e) {
System.out.print("error");
e.printStackTrace();
}
return false;
}
}

```

2. FlightInsert.java:

```

package com.flightbooking.servlets;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.flightbooking.database.ConnectionUtil;
@WebServlet("/InsertFlight")
public class FlightInsert extends HttpServlet {

```

```

private static final long serialVersionUID = 1L;
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException,
IOException {
    String name=request.getParameter("name");
    String from=request.getParameter("from");
    String to=request.getParameter("to");
    String departure=request.getParameter("departure");
    String time=request.getParameter("time");
    String price=request.getParameter("price");
    HashMap<String,String> flight=new HashMap<>();
    flight.put("name", name);
    flight.put("from", from);
    flight.put("to", to);
    flight.put("date", departure);
    flight.put("time", time);
    flight.put("price", price);
    try {
        ConnectionUtil dao=new ConnectionUtil();
        HttpSession session=request.getSession();
        if(dao.insertFlight(flight)) {
            session.setAttribute("message", "Flight Added Successfully");
        }
        else {
            session.setAttribute("message", "Invalid Details");
        }
    } catch (ClassNotFoundException | SQLException e) {
        // TODO Auto-generated catch block
        System.out.print("error");
        e.printStackTrace();
    }
    response.sendRedirect("AdminHome.jsp");
}
}

```

3. ListOfFlights.java:

```

package com.flightbooking.servlets;
import java.io.IOException;
import java.sql.SQLException;
import java.util.List;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.flightbooking.database.ConnectionUtil;
@WebServlet("/FlightList")
public class ListOfFlights extends HttpServlet {

```

```

private static final long serialVersionUID = 1L;

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    String from=request.getParameter("from");
    String to=request.getParameter("to");
    String departure=request.getParameter("departure");
    try {
        ConnectionUtil dao = new ConnectionUtil();
        List<String[]> flights=dao.getAvailableFlights(from, to,
departure);
        HttpSession session=request.getSession();
        session.setAttribute("flights", flights);
    } catch (ClassNotFoundException | SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    response.sendRedirect("FlightList.jsp");
}
}

```

4. LoginOfAdmin.java:

```

package com.flightbooking.servlets;
import java.io.IOException;
import java.sql.SQLException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.flightbooking.database.ConnectionUtil;
@WebServlet("/AdminLogin")
public class LoginOfAdmin extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse response)throws ServletException,
    IOException {
        String email=request.getParameter("email");
        String password=request.getParameter("password");
        try {
            ConnectionUtil dao=new ConnectionUtil();
            if(dao.checkAdmin(email,password)) {
                response.sendRedirect("AdminHome.jsp");
            }
            else {
                HttpSession session=request.getSession();

```

```

session.setAttribute("message", "Invalid Details");
response.sendRedirect("AdminPage.jsp");
}
} catch (ClassNotFoundException | SQLException e) {
// TODO Auto-generated catch block
e.printStackTrace();
}
}
}
}

```

5. LoginOfUser.java:

```

package com.flightbooking.servlets;
import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.flightbooking.database.ConnectionUtil;
@WebServlet("/UserLogin")
public class LoginOfUser extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException,
    IOException {
        String email=request.getParameter("email");
        String password=request.getParameter("password");
        try {
            ConnectionUtil dao=new ConnectionUtil();
            HashMap<String,String> user=dao.checkUser(email,password);
            HttpSession session=request.getSession();
            if(user!=null) {
                session.setAttribute("user", user);
                response.sendRedirect("HomePage.jsp");
            }
            else {
                session.setAttribute("message", "Invalid Details");
                response.sendRedirect("UserPage.jsp");
            }
        } catch (ClassNotFoundException | SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}

```

6. Logout.java:

```
package com.flightbooking.servlets;
import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
@WebServlet("/Logout")
public class Logout extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException,
    IOException {
        HttpSession session=request.getSession();
        session.setAttribute("user", null);
        response.sendRedirect("HomePage.jsp");
    }
}
```

7. RegistrationOfuser.java:

```
package com.flightbooking.servlets;
import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.flightbooking.database.ConnectionUtil;
@WebServlet("/UserRegistration")
public class RegistrationOfuser extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        String email=request.getParameter("email");
        String password=request.getParameter("password");
        String name=request.getParameter("name");
        String phno=request.getParameter("phno");
        String adno=request.getParameter("adno");
        HashMap<String,String> user=new HashMap<>();
        user.put("email", email);
        user.put("password", password);
```

```

user.put("name", name);
user.put("phno", phno);
user.put("adno", adno);
try {
    ConnectionUtil dao=new ConnectionUtil();
    boolean result=dao.insertUser(user);
    HttpSession session=request.getSession();
    if(result) {
        session.setAttribute("message", "User Added Successfully");
    }
    else {
        session.setAttribute("message", "Invalid Details");
    }
} catch (ClassNotFoundException | SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
response.sendRedirect("UserPage.jsp");
}
}

```

8. AdminHome.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;fontweight:bold;">Flight
Booking</a><br><br>
<h1>Insert New Flight Details</h1>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"align="center">
<form action=InsertFlight method=post>
<label for=name>Name :-</label> <input type="text" name=name id=name/><br><br>
<label for=from>From :-</label> <input type="text" name=from id=from/><br><br>
<label for=to>To :-</label> <input type="text" name=to id=to /><br><br>
<label for=departure>Departure :-</label> <input type="date" name=departure id=departure /><br><br>
<label for=time>Time :-</label> <input type="time" name=time id=time/><br><br>
<label for=price>Price :-</label> <input type="text" name=price id=price/><br><br>
<input type=submit value=submit /> <input type=reset />
</form>
</div>
<%
String message=(String)session.getAttribute("message");

```



```

if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
session.setAttribute("message", null);
}
%>
</body>
</html>

```

9. AdminPage.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;fontweight:bold;">Flight
Booking</a>
<br><br>
<h2>Admin Login</h2>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=AdminLogin method=post>
<label for=email>Email :-</label> <input type="email" name=email id=email/><br><br>
<label for=pass>Password :-</label> <input type="password" name=password id=pass /><br><br>
<input type=submit value=submit /> <input type=reset />
</form>
</div>
<a href=ForgotPassword.jsp style="font-size:25;color:red;">Forgot Password</a>
<%
String message=(String)session.getAttribute("message");
if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
session.setAttribute("message", null);
}
%>

</body>
</html>

```

10. BookFlight.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
    <%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;fontweight:bold;">Flight
Booking</a>
<br><br>
<%
@SuppressWarnings("unchecked")
HashMap<String,String>
user=(HashMap<String,String>)session.getAttribute("user");
if(user==null){
response.sendRedirect("UserPage.jsp");
}
%>
<p align="center" style="color:green;font-size:40px;font-weight:bold">Flight
Booked Successfully</p>
</body>
</html>

```

11. FlightList.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
    <%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none;font-size:35px;fontweight:bold;">Flight
Booking</a>
<br><br>
<%
@SuppressWarnings("unchecked")
List<String[]> flights=(List<String[]>)session.getAttribute("flights");
if(flights!=null){
%>
<h1>Available Flights</h1>

```

```

<table border="1">
<tr>
<th>Name</th>
<th>Time</th>
<th>Price</th>
</tr>
<%
for(String[] flight:flights){
%>
<tr>
<td><%=flight[0]%></td>
<td><%=flight[1]%></td>
<td><%=flight[2]%></td>
</tr>
</table>
<a href=BookFlight.jsp>Book Now</a>
<%
}
%>
<%
}
else{
%>
<h1>There are no available flights</h1>
<%
}
%>
</body>
</html>

```

12. HomePage.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<h1>FlyAway</h1>
<div align="right">
<a href="AdminPage.jsp">Admin Login</a>
</div>
<%
@SuppressWarnings("unchecked")
HashMap<String,String>

```

```

user=(HashMap<String,String>)session.getAttribute("user");
if(user!=null){
%>
<p>Welcome <%=user.get("name") %></p>
<a href="Logout">Logout</a>
<%
} else {
%>
<a href=UserPage.jsp>User Login</a>
<%
}
%>
<br><br>
<div style="border:5px solid black;width:25%;border-radius:20px;padding:20px" align="center">
<form action=FlightList method=post>
<label for=from>From :-</label> <input type=text name=from id=from/><br><br>
<label for=to>To :-</label> <input type=text name=to id=to/><br><br>
<label for=departure>Departure :-</label> <input type=date name=departure id=departure/><br><br>
<label for=travellers>Travellers :-</label> <input type=number name=travellers id=travellers/><br><br>
<input type=submit value=Search /> <input type=reset />
</form>
</div>
</body>
</html>

```

13.ForgotPassword.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;fontweight:bold;">Flight
Booking</a>
<br><br>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=ForgotPassword method=post>
<label for=email>Email :-</label> <input type="email" name=email id=email/><br><br>
<label for=pass>New Password :-</label> <input type="password" name=password id=pass /><br><br>
<input type=submit value=submit /> <input type=reset />
</form>
</div>

```

```
</body>
</html>
```

14. UserPage.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;fontweight:bold;">Flight
Booking</a>
<br><br>
<h2>User Login</h2>
<div style="border:2px solid black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=UserLogin method=post >
<table >
<tr>
<td><label for=email>Email</label><br></td>
<td><input type="email" name=email id=email /></td>
</tr>
<tr>
<td><label for=pass>Password</label><br></td>
<td><input type="password" name=password id=pass /></td>
</tr>
<tr>
<td><input type=submit value=submit /></td>
<td><input type=reset /></td>
</tr>
</table>
</form>
</div>
<br><br>
<i>New User-Create account</i>
<h4><a href=UserRegistration.jsp style="font-size:25;color:red;">Create
Account</a></h4>
<%
String message=(String)session.getAttribute("message");
if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
```

```

<%
session.setAttribute("message", null);
}
%>
</body>

```

15. UserRegistration.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;fontweight:bold;">Flight
Booking</a>
<br><br>
<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px" align="center">
<form action=UserRegistration method=post>
<label for=email>Email :-</label> <input type="email" name=email id=email/><br><br>
<label for=pass>Password :-</label> <input type="password" name=password id=pass /><br><br>
<label for=name>Name :-</label> <input type="text" name=name id=name/><br><br>
<label for=phno>Phone No. :-</label> <input type="text" name=phno id=phno/><br><br>
<label for=adno>Aadhaar No. :-</label> <input type="text" name=adno id=adno/><br><br>
<input type=submit value=submit /> <input type=reset />
</form>
</div>
</body>
</html>

```

16. 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_4_0.xsd"
id="WebApp_ID" version="4.0">
  <display-name>FlyAway</display-name>
  <welcome-file-list>
    <welcome-file>UserRegistration.jsp</welcome-file>
    <welcome-file>AdminHome.jsp</welcome-file>
    <welcome-file>AdminPage.jsp</welcome-file>
    <welcome-file>FlightList.jsp</welcome-file>
    <welcome-file>BookFlight.jsp</welcome-file>
    <welcome-file>ForgotPassword.jsp</welcome-file>
    <welcome-file>HomePage.jsp</welcome-file>
  </welcome-file-list>

```

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

</welcome-file-list>

</web-app>

17. pom.xml:

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
  <modelVersion>4.0.0</modelVersion>
```

```
  <groupId>Flyway</groupId>
```

```
  <artifactId>Flyway</artifactId>
```

```
  <version>0.0.1-SNAPSHOT</version>
```

```
  <packaging>war</packaging>
```

```
  <build>
```

```
    <plugins>
```

```
      <plugin>
```

```
        <artifactId>maven-compiler-plugin</artifactId>
```

```
        <version>3.8.1</version>
```

```
        <configuration>
```

```
          <release>18</release>
```

```
        </configuration>
```

```
      </plugin>
```

```
      <plugin>
```

```
        <artifactId>maven-war-plugin</artifactId>
```

```
        <version>3.2.3</version>
```

```
      </plugin>
```

```
    </plugins>
```

```
  </build>
```

```
<dependencies>
```

```
  <dependency>
```

```
    <groupId>javax.servlet.jsp</groupId>
```

```
    <artifactId>javax.servlet.jsp-api</artifactId>
```

```
    <version>2.3.3</version>
```

```
    <scope>provided</scope>
```

```
  </dependency>
```

```
  <dependency>
```

```
    <groupId>javax.servlet</groupId>
```

```
    <artifactId>javax.servlet-api</artifactId>
```

```
    <version>4.0.1</version>
```

```
    <scope>provided</scope>
```

```
  </dependency>
```

```
  <dependency>
```

```
    <groupId>mysql</groupId>
```

```
    <artifactId>mysql-connector-java</artifactId>
```

```
    <version>8.0.30</version>
```

```
</dependency>
</dependencies>
</project>
```

18.String.Util.java:

```
package com.simplelearn.util;
public class StringUtil {
public static String fixSqlFieldValue(String value) {
if (value == null) {
return null;
}
int length = value.length();
StringBuffer fixedValue = new StringBuffer((int)(length*1.1));
for(int i = 0 ; i < length ;i++) {
char c = value.charAt(i);
if ( c == "\") {
fixedValue.append("''");
}else {
fixedValue.append(c);
}
}
return fixedValue.toString();
}
public static String encodeHtmlTag(String tag) {
if (tag==null)
return null;
int length = tag.length();
StringBuffer encodedTag = new StringBuffer(2 * length);
for(int i = 0 ; i < length;i++) {
char c = tag.charAt(i);
if(c=='<')
encodedTag.append("<");
else if(c=='>')
encodedTag.append(">");
else if(c=='&')
encodedTag.append("&amp;");
else if(c=='"')
encodedTag.append("&quot;");
else if(c==' ')
encodedTag.append("&nbsp;");
else
encodedTag.append(c);
}
return encodedTag.toString();
}
}
```


