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Aim: Write a Student class with three properties. The useBean action declares a JavaBean for use in a JSP. Write JSP application to access JavaBeans Properties.

Java:

```
/*  
 * To change this license header, choose License  
Headers in Project Properties.  
 * To change this template file, choose Tools |  
Templates  
 * and open the template in the editor.  
 */  
  
package p7bclass;  
  
public class p7bjava {  
  
    private int rollnumber=79;  
  
    private String name="Yash Gupta";  
  
    private int age=19;
```

```
public int getRollnumber() {  
    return rollnumber;  
}
```

```
public String getName() {  
    return name;  
}
```

```
public int getAge() {  
    return age;  
}
```

}

JSP

<%--

Document : p7bjsp

Created on : 21 Mar, 2021, 12:15:15 AM

Author : LAXMINARAYANRO

--%>

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

<!DOCTYPE html>

<html>

<head>

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

<title>JSP Page</title>

</head>

<body>

```
<!--useBean creates object of the class Student-->  
<jsp:useBean id="obj" class="p7bclass.p7bjava"  
scope="application">
```

```
<%
```

```
out.print("Printing Student Info using useBean action  
tag : <br>");
```

```
int roll = obj.getRollnumber();
```

```
String name = obj.getName();
```

```
int age = obj.getAge();
```

```
out.print("Name : "+name);
```

```
out.print("<br>Roll NO : "+roll);
```

```
out.print("<br>Age : "+age);
```

```
%>
```

```
</jsp:useBean>
```

</body>

</html>

Practical - 07

Aim: Write a student class with three properties, attributes and variables.

The useBean action declares a javaBean for use in a JSP. Write JSP application to access JavaBeans properties.

Description

1) useBean action tag

The `jsp:useBean` action tag is used to locate or instantiate a bean class.

If a bean object of the Bean class is already created, it doesn't create the bean depending on the scope. But if object of bean is not created, it instantiates the bean.

Syntax:

```
<jsp:useBean id=" " scope=" "
              class=" " type=" "
              beanName=" " />
```

`</jsp:useBean>`

Attribute description

- 1) id - used to identify the bean in a specified scope
- 2) scope - represents the scope of the bean can be
 - page - within jsp page
 - request - can be used from jsp page with same request

Need of Appas 803 App

PAGE NO.
DATE: / /

- 2) Session - (range is under than page)
In this whole session
(range is wider than request)
application - can access from any jsp page from the
same application.
(range wider than session)
- 3) Class - Instantiates the specified bean class i.e.
creates an object of bean class
(It must have no-arg or no constructor
and must not be abstract)
- 4) type - provides a datatype to bean if already
exists
(If used without class or bean Name, no
bean is instantiated)
- 5) bean Name - Instantiates the bean using instantiation
method



