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## JSP - Java Beans

\* BankAccount.java

```
package beans;
```

```
import java.io.Serializable;
```

```
public class BankAccount implements Serializable {
```

```
    private String accountHolder;
```

```
    private double balance;
```

```
    public BankAccount() {
```

```
        this.accountHolder = "Karan";
```

```
        this.balance = 0.0;
```

```
    }
```

```
    public String getAccountHolder() {
```

```
        return accountHolder;
```

```
    }
```

```
    public void setAccountHolder(String accountHolder) {
```

```
        this.accountHolder = accountHolder;
```

```
    }
```

```
    public double getBalance() {
```

```
        return balance;
```

```
    }
```





```

public void deposit (double amount) {
    if (amount > 0) {
        balance += amount;
    }
}

```

```

public boolean withdraw (double amount) {
    if (amount > 0 && amount <= balance) {
        balance -= amount;
        return true;
    }
    return false;
}

```

### \* Index.jsp

```

<% @page language="java" import="beans.BankAccount"%>
<jsp:useBean id="account" class="beans.BankAccount"
              scope="session" />
<jsp:setProperty name="account" property="accountHolder"
                 param="name" />

<html>
    <title>Bank Account </title>
    <body>
        <h2>Welcome, <jsp:getProperty name="account"
                                     property="accountHolder" /> </h2>
        <p>Current Balance: <jsp:getProperty name="
                               account" property="balance" /> </p>
    
```





```
<form action="Process.jsp" method="POST">  
  <label>Deposit Amount:</label>  
  <input type="text" name="depositAmount">  
  <input type="submit" name="action"  
    value="Deposit">  
</form>
```

~~Path~~

```
<form action="Process.jsp" method="POST">  
  <label>Withdraw Amount:</label>  
  <input type="text" name="withdrawAmount">  
  <input type="submit" name="action"  
    value="Withdraw">  
</form>
```

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





\* Process.jsp

```
<% @page language = "java" import = "beans.BankAccount"%>
<jsp:useBean id = "account" class = "beans.BankAccount"
scope = "session" />

<%
String action = request.getParameter("action");
if ("Deposit".equals(action)) {
    double depositAmount = Double.parseDouble
(request.getParameter("depositAmount"));
    account.deposit(depositAmount);
} else if ("Withdraw".equals(action)) {
    double withdrawAmount = Double.parseDouble
(request.getParameter("withdrawAmount"));
    if (!account.withdraw(withdrawAmount)) {
        out.println("<script> alert ('Insufficient
Balance!');
</script>");
    }
}
response.sendRedirect("Index.jsp");
%>
```