Practical No. 7(a)

Q. Create a JSP page to demonstrate the use of Expression Language.

index.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Index</title>
  </head>
  <body>
    <h3>Welcome to Index Page</h3>
      session.setAttribute("user", "Admin");
    %>
    <%
      Cookie ck = new Cookie("name", "mycookie");
      response.addCookie(ck);
    %>
    <form action="ExpressionLanguage.jsp" >
      Enter Name : <input type="text" name="name" /><br><br>
      <input type="submit" value="Submit" />
    </form>
  </body>
</html>
```

ExpressionLanguage.jsp

ELArithmetic.jsp

ELLogicOperator.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>ELLogicOperator</title>
  </head>
  <body>
   <%-- LogicalOperator --%>
   <h2>Logical Operator</h2>
   true and true: ${true and true}<br>
   true && false: ${true && false}<br>
   true or true: ${true or true}<br>
   true || false: ${true || false}<br>
   not true: ${not true}<br>
   !false: ${!false}
</body>
</html>
```

ELRelationalOperator.jsp

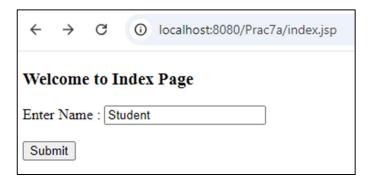
```
</head>
  <body>
    <%-- RelationalOperator --%>
    <h2>Relational Operator</h2>
    10.0==10: ${10.0==10} <br
    10.0 eq 10: ${10.0 eq 10} <br>
    ((20*10)!=200): ${((20*10)!=200)} <br/>
    3 ne 3: ${3 ne 3} <br>
    2>1: ${2>1} <br>
    2 gt 1: ${2 gt 1} <br>
    3.2>=2: ${3.2>=2} <br>
    3.2 ge 2: ${3.2 ge 2} <br>
    2<3: ${2<3} <br>
    4 lt 6: ${4 lt 6} <br>
    2 \le 4: \{2 \le 4\} \le br >
    4 le 2: ${4 le 2}
  </body>
</html>
```

ELConditionalOperator.jsp

EmptyOperator.jsp

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>EmptyOperator</title>
    </head>
    <body>
        <H1>Empty Operator Example</H1>
        The Value for the Empty operator is:: ${empty "txt"}
        </body>
    </html>
```

Output:













Conditional Operator

The result of 10>2 is: "greater"



Empty Operator Example

The Value for the Empty operator is:: false

Practical No. 7(b)

Q. Create a JSP application to demonstrate the use of JSTL.

index.html

setDemo.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<c:set
  var="pageTitle"
  scope="application"
  value="Barclays Premier League: Registration"
/>
{pageTitle}
```

MaxIf.html

```
<form action ="IFDemo.jsp">
    x=<input type="text" name="x" /><br>
    y=<input type="text" name="y" /><br>
    <input type="submit" value="Check Max" />
    </form>
```

IFDemo.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<c:set var="x" value="${param.x}" />
<c:set var="y" value="${param.y}" />
<c:if test="${x > y}">
<font color="blue">
```

```
<h2>The Ans is:</h2>
</font>
<c:out value="${x} is greater than ${y}" />
</c:if>
```

forEachDemo.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<c:forEach begin="1" end="10" var="i">
The Square of <c:out value="${i}=${i * i}" /><br></c:forEach>
```

outDemo.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<c:set var="name" value="John" />
My name is: <c:out value="${name}" />
```

URLDemo.jsp

```
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %> <c:url value="/index.html"/>
```

Choose_when_otherwise.jsp

Output:



