OUTPUT:

BOOKS

Title	Author	ISBN	Publisher	Edition	Price
XML Bible	Elliotte Rusty Harold	9876543210	Hungry Minds	4th	$21.99
AI: A Modern Approach	Stuart J. Russell	9876543220	Princeton Hall	6th	$36.09
Beginning Java 2	Ivor Horton	9876542220	Wrox	3rd	$8.95
HTML5: Up and Running	Mark Pilgrim	9876522220	O'REILLY	1th	$17.99

Aim: To write an XML file which will display the book information which includes Title of the book , Author Name , ISBN number , Publisher , Edition and Price of the book.

Program:

book.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="book.xsl"?>
<!DOCTYPE book SYSTEM "book.dtd">
<bookdetails>
<book>
<title>XML Bible</title>
<author>Elliotte Rusty Harold</author>
<isbn>9876543210</isbn>
<publisher>Hungry Minds</publisher>
<edition>4th</edition>
<price>$21.99</price>
</book>
<book>
<title>AI: A Modern Approach</title>
<author>Stuart J. Russell</author>
<isbn>9876543220</isbn>
<publisher>Princeton Hall</publisher>
<edition>6th</edition>
<price>$36.09</price>
</book>
<book>
```

```
<title>Beginning Java 2</title>

<author>Ivor Horton</author>

<isbn>9876542220</isbn>

<publisher>Wrox</publisher>

<edition>3rd</edition>

<price>$8.95</price>

</book>

<book>

<title>HTML5: Up and Running</title>

<author>Mark Pilgrim</author>

<isbn>9876522220</isbn>

<publisher>O'REILLY</publisher>

<edition>1th</edition>

<price>$17.99</price>

</book>

</bookdetails>
```

Book.xsl

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:template match="/">

<html>

<body>

<h2 style="color:green" align="center">BOOKS</h2>

<table border="1"  align="center">

<tr style="color:grey">

<th>Title</th>
```

```
<th>Author</th>
<th>ISBN</th>
<th>Publisher</th>
<th>Edition</th>
<th>Price</th>
</tr>
<xsl:for-each select="bookdetails/book">
<tr style="width:70%">
<td style="font-family:'Comic Sans MS'; color:red; width:70%">
<xsl:value-of select="title"/>
</td>
<td style="text-transform:capitalize; font-weight:bold" align="center">
<xsl:value-of select="author"/>
</td>
<td style="color:blue">
<xsl:value-of select="isbn"/>
</td>
<td style="font-weight:bold; color:green" align="center">
<xsl:value-of select="publisher"/>
</td>
<td style="pink" align="center">
<xsl:value-of select="edition"/>
</td>
<td style="font-weight:bold; color:violet">
<xsl:value-of select="price"/>
</td>
</tr>
```
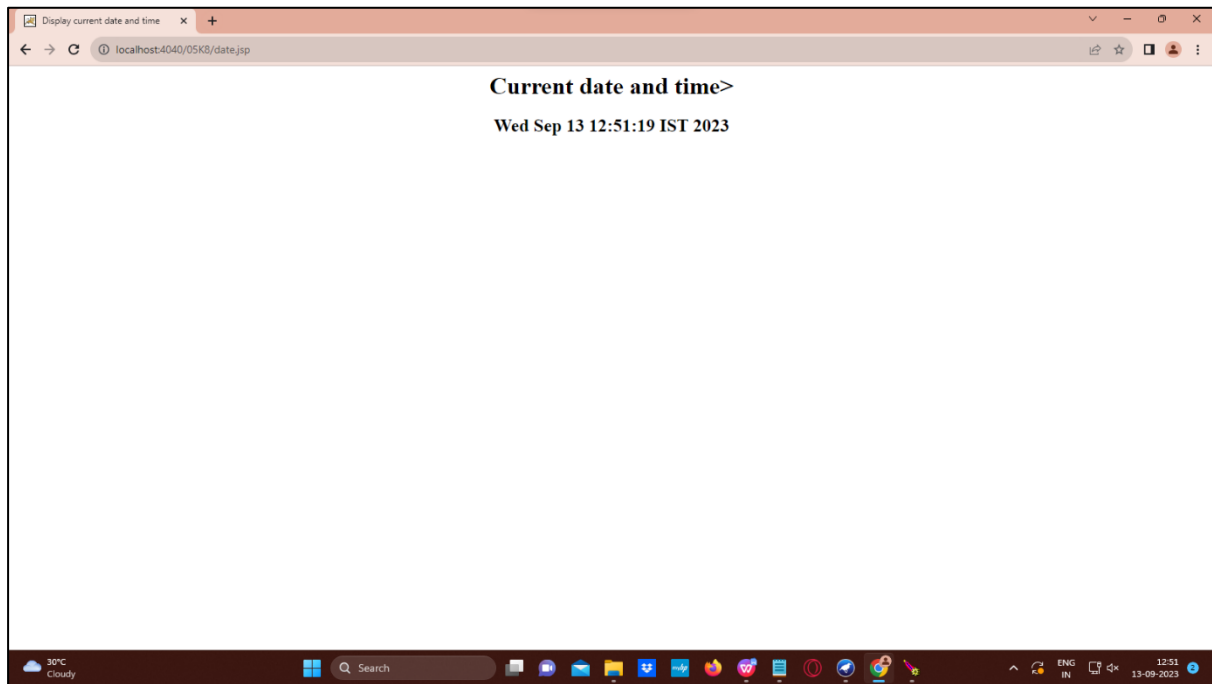
```
</xsl:for-each>

</table>

</body>

</html>

</xsl:template>

</xsl:stylesheet>
```

book.dtd

```
<!ELEMENT bookdetails(book+)>

<!ELEMENT book(title,author,isbn,publisher,edition,price)>

<!ELEMENT title(#PCDATA)>

<!ELEMENT author(#PCDATA)>

<!ELEMENT isbn(#PCDATA)>

<!ELEMENT publisher(#PCDATA)>

<!ELEMENT edition(#PCDATA)>

<!ELEMENT price(#PCDATA)>
```

OUTPUT:

Exercise-5

Aim: To create a simple JSP to print the current date and time.

Program:

```jsp
<%@ page import="java.io.*,java.util.*,javax.servlet.*" %>

<html>

<head>

<title>Display current date and time</title>

</head>

<body>

<center>

<h1>Current date and time</h1>

</center>

<%

Date date=new Date();

out.print("<h2 align=\"center\">"+date.toString()+"</h2>");

%>

</body>

</html>
```
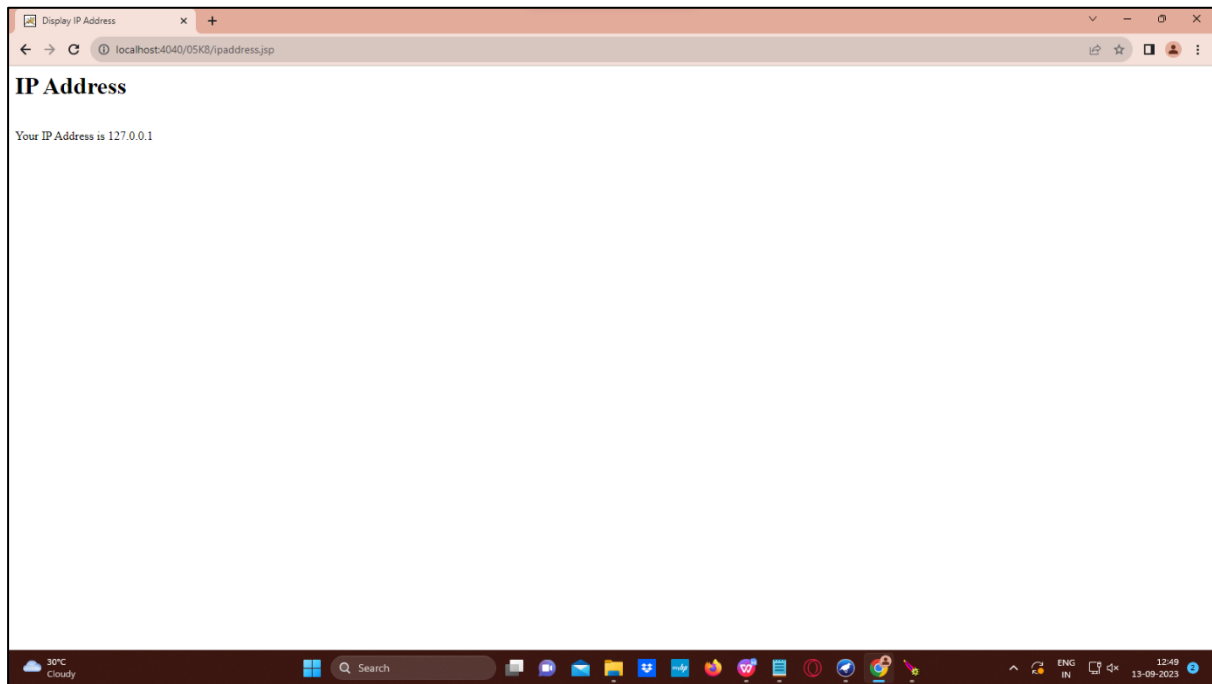
OUTPUT:

Exercise-6

6.a)

Aim: To create a simple JSP to display IP Address of the system.

Program:
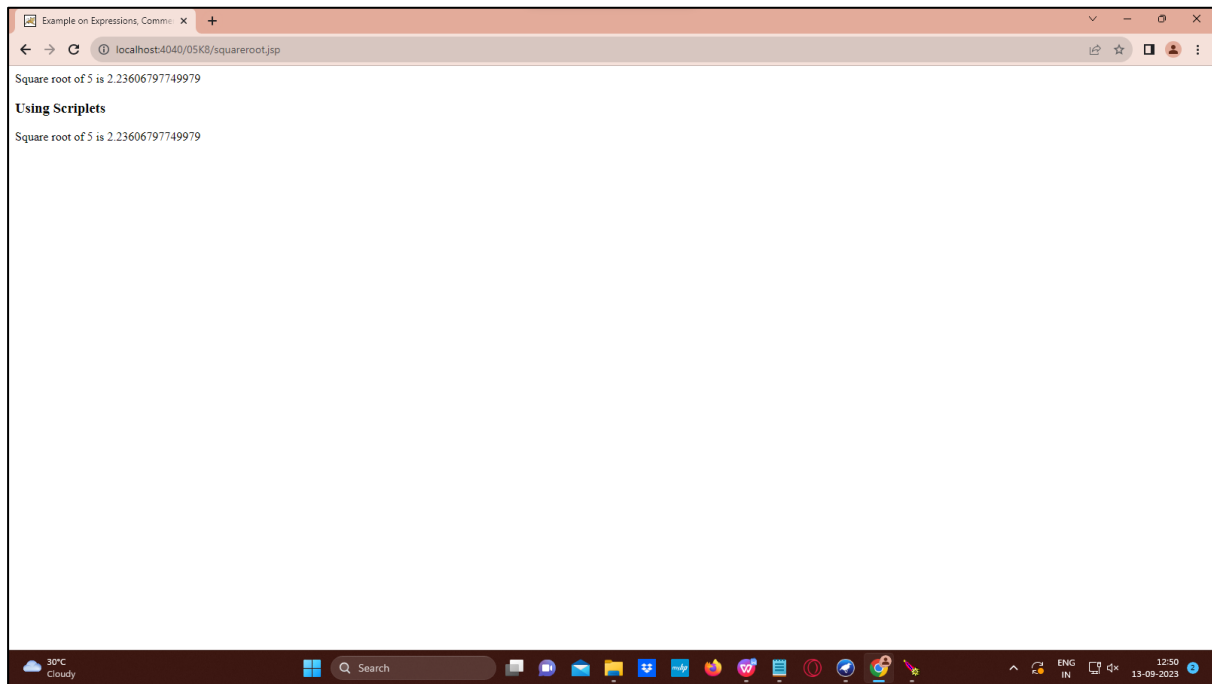
```
<html>

<head>

<title>Display IP Address</title>

</head>

<body>

<center>

<h1>IP Address</h1><br/>

</center>

<%

out.println("Your IP Address is "+request.getRemoteAddr());

%>

</body>

</html>
```

OUTPUT:

Square root of 5 is 2.23606797749979

Using Scriplets

Square root of 5 is 2.23606797749979

6.b)

Aim: To create a simple JSP to find the square root for a number.

Program:

```
<html>
<head>
<title>Example on Expressions, Comments, Scriplets</title>
</head>
<body>
<p>Square root of 5 is <%=Math.sqrt(5)%></p>
<h2>Using Scriplets</h2>
<%
out.write("<p>Square root of 5 is ");
out.print(Math.sqrt(5));
%>
</body>
</html>
```