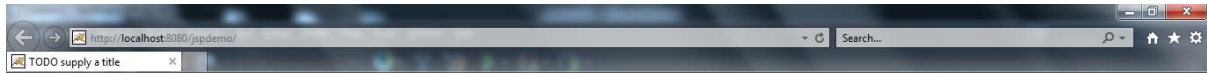


## Practical-13

->index.html

Output:->



[Todays's Date](#)  
[Sum of two numbers](#)  
[Convert Uppercase](#)  
[square root of 2](#)  
[Remote Host](#)  
[Random number](#)  
[Server Inforamtion](#)  
[Prime Number](#)



- A. Displays the Current date on your Web page.

```
<%--
```

```
Document : CurrentDate
```

```
Created on : 15 Sep, 2020, 9:52:21 AM
```

```
Author : Hp
```

```
--%>
```

```
<%@page import="java.text.SimpleDateFormat"%>
```

```
<%@page import="java.util.Date"%>
```

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Current Date</title>
```

```
</head>
```

```
<%
```

```
Date date=new Date();
```

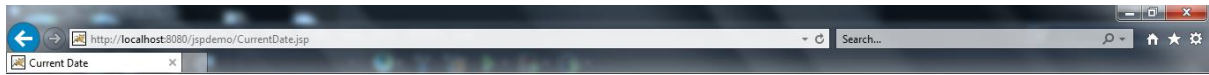
```
SimpleDateFormat ft=new SimpleDateFormat("yyyy.MM.dd");
```

[201806100110066]

```
out.print("<h3>Today's Date is="+ft.format(date)+"</h3>");  
%>
```

```
</html>
```

->Output:-



Today's Date is=2020.09.15



B. Takes input of two numbers and displays the sum of it.

```
<%--
```

```
Document : sum
```

```
Created on : 15 Sep, 2020, 9:58:51 AM
```

```
Author : Hp
```

```
--%>
```

```
<%@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>
```

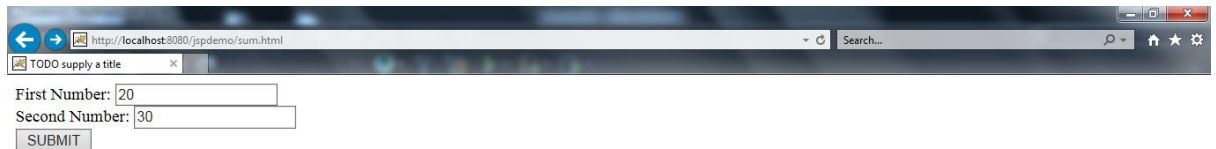
```
</head>
```

```
<%=
```

[201806100110066]

```
"<h3>the sum is:"+
(Integer.parseInt(request.getParameter("n1"))+Integer.parseInt(request.getParameter("n2")
))
    + "</h3>"
    %>
</html>
```

-> sum.html Output:



- C. Create a user define a function that takes your name as an input and convert it into upper case.

```
<%--
    Document : Userdefined
    Created on : 15 Sep, 2020, 10:04:23 AM
    Author : Hp
--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Uppercase</title>
    </head>
    <%!
        String name="smit Donga";
        String upper=name.toUpperCase();
        public String myname()
        {
            StringBuffer sf = new StringBuffer(upper);
            return ("uppercase string :"+sf.toString());

        }

    %>

    <%=

        myname()

    %>
</html>
```

->Output:-



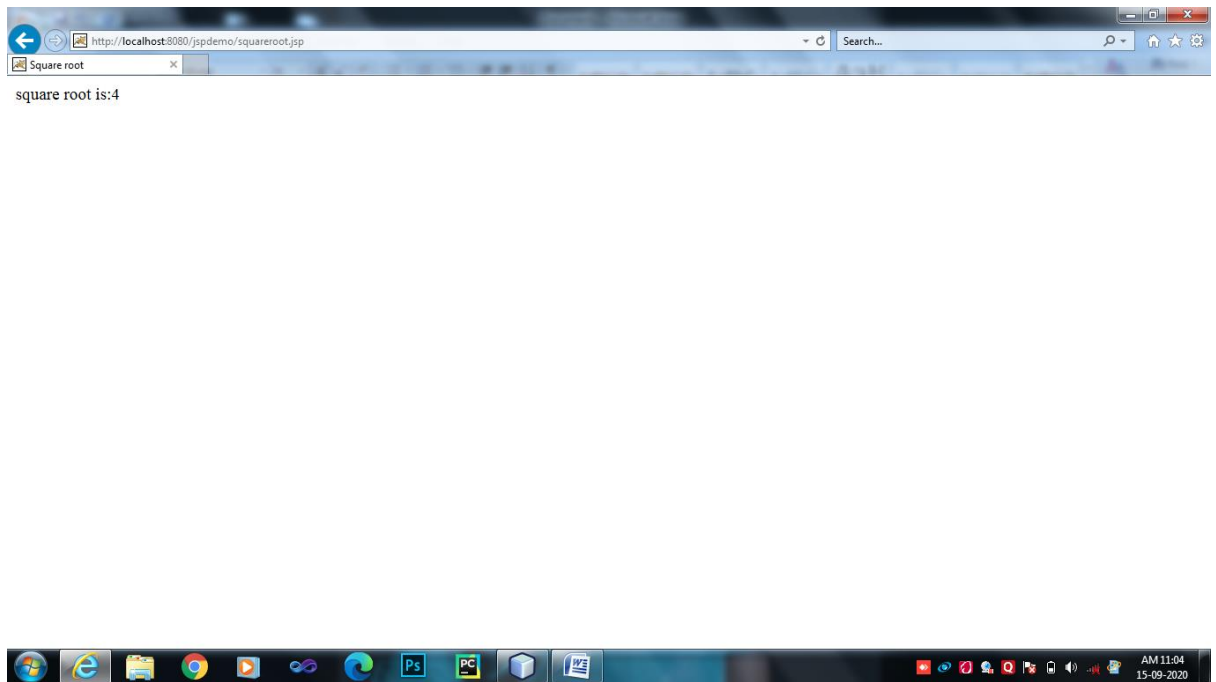
#### D. Display square root of 2

```
<%--
    Document : squarerooot
    Created on : 15 Sep, 2020, 10:06:55 AM
    Author : Hp
--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Square root</title>
    </head>
    <%!
        int a=2,b=a*2;

        %>
        <%
            out.print("square root is:"+b);
        %>
    </html>

->Output:-
```



E. Display remote host on your Webpage.

```
<%--
```

```
Document : remotehost
```

```
Created on : 15 Sep, 2020, 10:09:16 AM
```

```
Author : Hp
```

```
--%>
```

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Remote Host</title>
```

```
</head>
```

```
<%
```

```
/*Locale locale=request.getLocale();  
out.println(locale);*/
```

```
String remote=request.getRemoteHost();  
int portno=request.getServerPort();  
out.print("<br>");  
out.print("Remote host:"+remote);  
out.print("<br>");  
out.print("portnumber="+portno);  
out.print("<br>");
```

%>

</html>



Remote host:0:0:0:0:0:1  
portnumber=8080



- F. Display any five random numbers on the web page.

<%--

Document : random number

Created on : 15 Sep, 2020, 10:12:15 AM

Author : Hp

--%>

<%@page import="java.util.Random"%>

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

<!DOCTYPE html>

<html>

<head>

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

<title>Random Number</title>

</head>

<%! Random rn=new Random();

%>

<%

for(int count=0;count<5;count++)

{

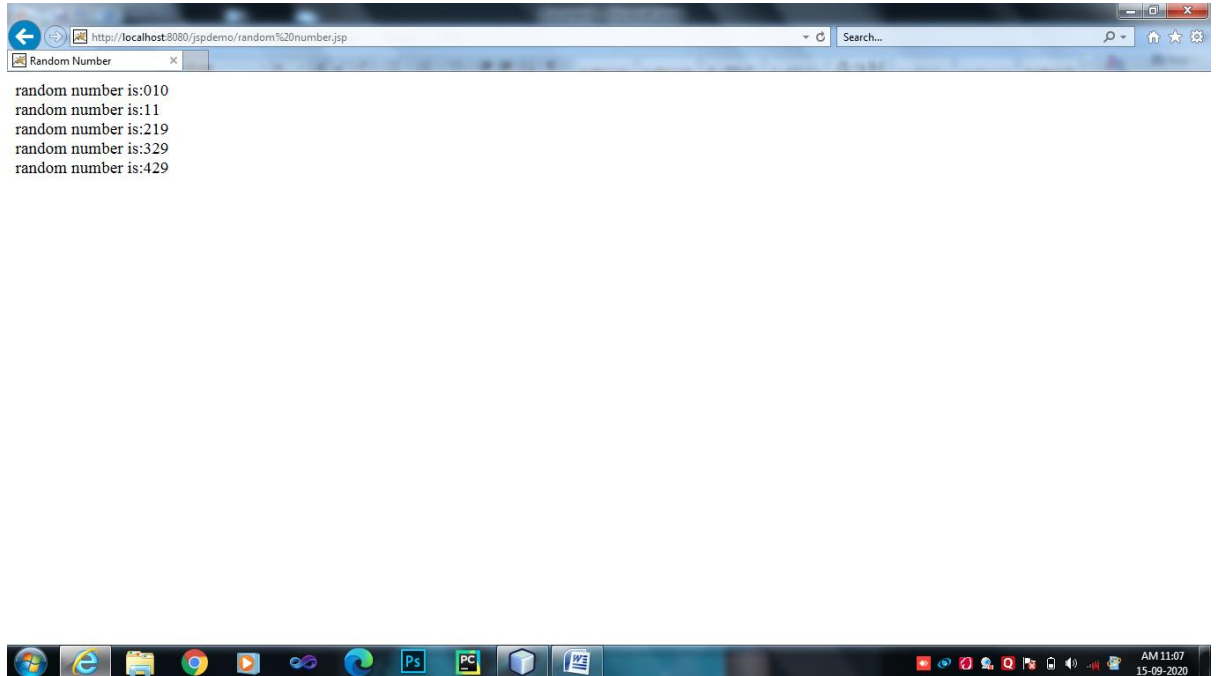
out.print("random number is:"+count+rn.nextInt(50)+"<br>");

}

%>

</html>

->Output:-



G. Display the server Information on the web page.

```
<%--
```

```
Document : serverinfo
```

```
Created on : 15 Sep, 2020, 10:17:25 AM
```

```
Author : Hp
```

```
--%>
```

```
<%@page import="java.util.Enumeration"%>
```

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Server Information</title>
```

```
</head>
```

```
<%
```

```
Enumeration hn=request.getHeaderNames();
```

```
String servername=request.getServerName();
```

```
int serverport=request.getServerPort();
```

```
out.println("servername is:"+servername+"<br>"+"server port is:"+serverport);
```

```
while(hn.hasMoreElements())
```

```
{
```



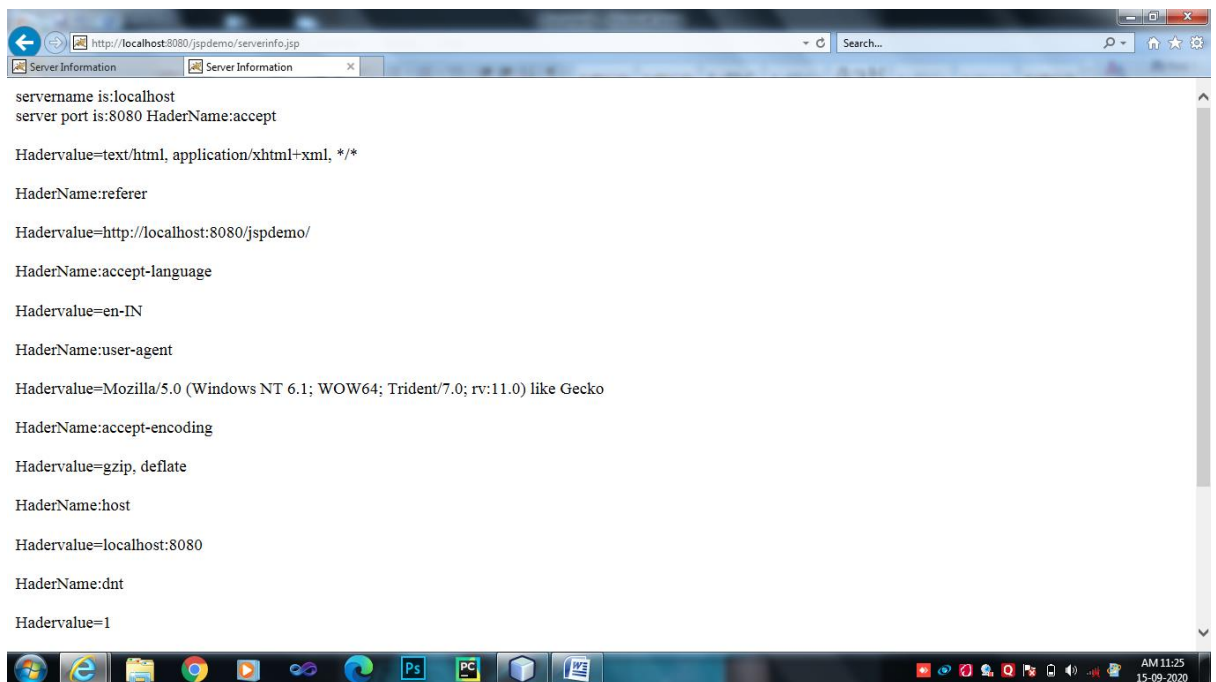
```

String paramname=(String)hn.nextElement();
out.println("HaderName:"+paramname+"<br><br>");

String paramvalue=request.getHeader(paramname);
out.println("Hadervalue="+paramvalue+"<br><br>");
}
out.println("servername is:"+servername+"<br>"+"server port is:"+serverport);
%>
</html>

```

->Output:



H. Display prime number series from 0-30.

```
<%--
```

Document : primenumber

Created on : 15 Sep, 2020, 10:24:32 AM

Author : Hp

```
--%>
```

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Prime Number</title>
```

```
</head>
```

```
<%  
    int n=0;  
    int i=0;  
    String prime="";  
    out.println("<h4>Prime Number<h4>");  
    for(i=1;i<=30;i++)  
    {  
        int count=0;  
        for(n=i;n>=1;n--)  
        {  
            if((i%n)==0)  
            {  
                count=count+1;  
            }  
        }  
  
        if(count==2)  
        {  
            prime=prime+i+", ";  
        }  
    }  
    out.print(prime);  
%>  
  
</html>
```

->Output:-

