WEB TECHNOLOGIES

WEEK-1

Question: Design the following static web pages required for an online book store website.

1) HOME PAGE: The static home page must contain three frames. Top frame: Logo and the website name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below). Left frame: At least four links for navigation, which will display the catalogue of respective links. For e.g.: When you click the link "CSE" the catalogue for CSE Books should be displayed in the Right frame. Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the website

Logo	Website Name				
Home	Login Registration Catalogue		Cart		
CSE ECE EEE CIVIL	Description of the Website				

Dept.html

```
<!DOCTYPE html>
<head>
    <title>Departments Page</title>
</head>
<body>
    <font face="Arial Black" size="4">

        >
```

```
<a href="mca.html"
target="des_page">MCA</a>

<ta href="mba.html"
target="des_page">MBA</a>

<a href="bca.html"
target="des_page">BCA</a>

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

Desc.html

Shri Vishnu Engineering College For Women is located in Bhimavaram - the central part of Coastal Andhra. The area generally known for its commercial activities has recently established itself as a Center for Academics. The campus is located in Vishnupur which is 3 km from Bhimavaram on Tadepalligudem Road. The campus spreads around 100 acres landscape known for its salubrious climate

and presents congenial atmosphere to pursue higher studies. Our infrastructure is vibrant in nature because of constant attempt to maintain pace with the development available. The infrastructure acts as a facilitator for the effective delivery of our curriculum. Apart from the common central facilities the colleges has well-equipped laboratories, lecture halls, drawing and seminar halls etc. The organization provides adequate infrastructural support for all sports activities which provide students physical fitness and personality development inturn cultivate in them sportsman spirit, team spirit, leadership and talent.

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

Head.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Head Page</title>
</head>
<body>
  <font face="Arial Black" size="3">
         <table border="1" cellspacing="2" cellpadding="5"
width="100%">
     <img src="logo.jpg" alt="Vishnu logo"
width="40" height="40">
         Shri Vishnu Engineering
College For Women
      align="center"><a
                                        href="desc.html"
        <td
target="des_page">Home</a>
                  align="center"><a
                                        href="login.html"
target="des_page">Login</a>
                align="center"><a
                                   href="registration.html"
target="des_page">Registration</a>
```

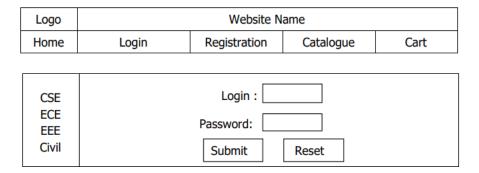
```
href="catalogue.html"
                   align="center"><a
           <td
target="des_page">Catalogue</a>
                     align="center"><a
                                              href="cart.html"
          <td
target="des_page">Cart</a>
       </font>
</body>
</html>
Program:
Home.html:
<!DOCTYPE html>
<head>
   <title>Home Page</title>
</head>
   <frameset rows="20,80">
     <frame src = "head.html" name="head page">
       <frameset cols="15,85">
         <frame src="dept.html" name="dept_page">
         <frame src="desc.html" name="des page">
       </frameset>
   </frameset>
</html>
```

Output:



2) LOGIN PAGE:

This page looks like below



Program:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Login Page</title>

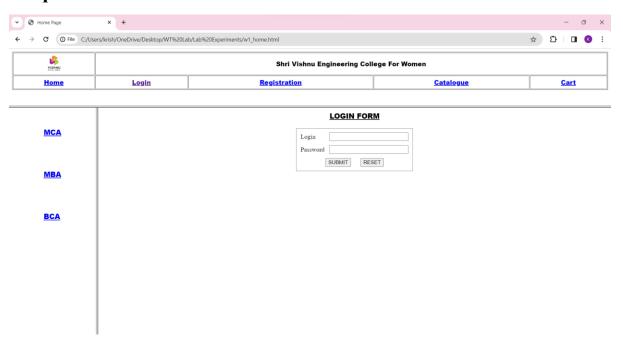
</head>

<body>

<center>

```
<font
        face="Arial
                  Black"
                         size="4"><u><b>LOGIN
FORM</b></u></font>
  <br/>br><br/>><
  <form name="f1" action="" method="post">
    >
       Login
       <input type="text" size="25">
     Password
       <input type="password" size="25">
     <input type="submit"
value="SUBMIT">    
       <input type="reset" value="RESET">
     </form>
 </center>
</body>
</html>
```

Output:



3) CATOLOGUE PAGE:

The catalogue page should contain the details of all the books available in the Website in a table. The details should contain the following:

- 1. Snapshot of Cover Page
- 2. Book Name
- 3. Author Name
- 4. Publisher
- 5. Price
- 6. Add to cart button

Logo	Website Name				
Home Login		Registration	Catalogue	Cart	
CSE	XML LI	Book : XML Bible Author : Winston Publication : Wiely	\$ 40.5	Add to cart	
ECE	DIO INC.	Book : AI	\$ 63		
EEE	Avian Institute	Author : S.Russell Publication : Princeton hall	\$ 03	Add to cart	
CIVIL	例算 Java 2 gamusturate の研究のMB.COM	Book : Java 2 Author : Watson Publication: BPB Publications	\$ 35.5	Add to cart	
	CARTE INC. Throat HTML 4	Book : HTML in 24 hours Author : Sam Peter Publication : Sam publication	\$ 50	Add to cart	

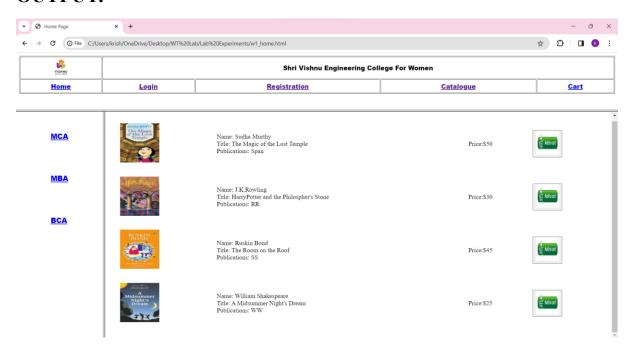
PROGRAM:

```
<!DOCTYPE html>
    <html lang="en">
    <head>
      <title>Catalogue</title>
    </head>
    <body>
      >
                      src="lost temple.jpg"
                                            width="100"
        <img
height="100">
     Name: Sudha Murthy <br>
     Title: The Magic of the Lost Temple <br/> br>
     Publications: Span
     Price: $50 
     <tduton><img src="cart.jpg" alt="add_to_cart" height="60"
width="60"></button>
```

```
<img src="harry_potter.jpg" width="100" height="100">
     Name: J.K.Rowling <br>
     Title: HarryPotter and the Philospher's Stone<br/>
     Publications: RR
     Price:$30
     td><button><img src="cart.jpg" alt="add to cart" height="60"
width="60"></button>
   <img src="room.jpg" width="100" height="100">
     Name: Ruskin Bond <br>
     Title: The Room on the Roof<br/>
     Publications: SS
     Price:$45
     td><button><img src="cart.jpg" alt="add to cart" height="60"
width="60"></button>
   >
     <img src="midnight.jpg" width="100" height="100">
     Name: William Shakespeare<br>
     Title: A Midsummer Night's Dream<br/>
     Publications: WW
     Price:$25
```

```
="add_to_cart" height="60" width="60" width="60" 

</body>
</html>
```



WEEK-2

Question: Design Cart page and Registration page

Program:

4) CART PAGE:

The cart page contains the details about the books which are added to the cart.

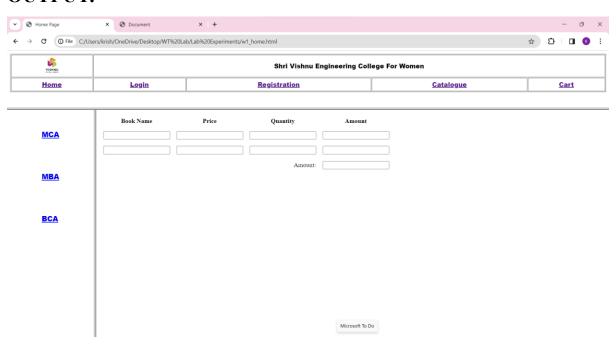
The cart page should look like this:

Logo	Website Name					
Home	Login	Registration	Catalogue	Cart		
CSE	Book name	Price	Quantity	Amout		
ECE	Java 2	\$35.0	2	\$70		
EEE	XML bible	\$40.5	1	\$40.5		
CIVIL		Tot	al Amount -	\$110.5		

PROGRAM:

```
Function sum2(){
   var num1 = document.getElementById('price2').value;
   var num2 = document.getElementById('quantity2').value;
     document.getElementById('amount2').value=num1*num2;
   }
   function sum(){
   var num1 = parseFloat(document.getElementById('amount1').value);
   var num2 = parseFloat(document.getElementById('amount2').value);
     document.getElementById('amount').value=num1+num2;
 </script>
</head>
<body>
 <form action="">
   >
       Book Name
       Price
       Quantity
       Amount
     <input type="text" id="book1">
       <input type="text" id="price1">
       <input type="text" id="quantity1" >
                  type="text" id="amount1" onfocus="sum1()"
       <input
readonly>
```

```
<tr>
       <input type="text" id="book2">
       <input type="text" id="price2">
       <input type="text" id="quantity2" oninput="sum2()">
       <input type="text" id="amount2" readonly>
     >
              colspan="3"
                            style="text-align:
                                             right;"><label
       <td
for="amount">Amount:</label>
       <input
                                  id="amount"
                     type="text"
                                                 readonly
onfocus="sum()">
     </form>
</body>
</html>
```



5) REGISTRATION PAGE:

Create registration "form" with the following fields

- 1)Name (Text field)
- 2)Password (password field)
- 3)E-mail id (text field)
- 4)Phone number (text field)
- 5)Sex (radio button)
- 6)Date of birth (3 select boxes)
- 7) Languages known (check boxes English, Telugu, Hindi, Tamil)
- 8) Address (text area)

PROGRAM:

```
<!DOCTYPE html>
     <html lang="en">
     <head>
       <meta charset="UTF-8">
       <meta name="viewport" content="width=device-width, initial-</pre>
     scale=1.0">
       <title>REGISTRATION PAGE</title>
     </head>
     <body>
  <form>
                                           black;
                                                    margin-top:3%;"
    <table
             style="border:
                             3px
                                   solid
cellpadding="10" align="center">
```

```
< u >< h1
                style="color:
                            #000000;">REGISTRATION
PAGE</h1></u>
      >
      <label for="name">NAME:</label>
      <input type="text" id="name" size="30" placeholder="Enter</pre>
your Name">
      <label for="pwd">PASSWORD:</label>
      type="password" id="pwd"
                                         size="30"
placeholder="Enter Password">
      >
      <label for="mail">EMAIL ID:</label>
```

```
<input type="email" name="mail" id="mail" size="30"</pre>
placeholder="Enter your E-mail">
       <label for="num">PHONE NUMBER:</label>
       <input type="text" name="phone" id="num" size="15"</pre>
placeholder="Enter your Phone Number">
       >
       <label for="gender">GENDER</label>
       <input type="radio" name="gender" id="male" value="male">
<label for="male">MALE</label>
         <input type="radio" name="gender" id="female"</pre>
value="female"> < label for="female"> FEMALE < / label>
       <label for="dob">DATE OF BIRTH</label>
```

```
<input type="date" name="dob" id="dob">
       >
       <label for="lang">LANGUAGES KNOWN</label>
       <input
                  type="checkbox"
                                   name="lang"
                                                 id="eng"
value="eng"><label for="eng">ENGLISH</label>
                  type="checkbox"
                                   name="lang"
         <input
                                                 id="tel"
value="tel"><label for="tel">TELUGU</label>
                                   name="lang"
                  type="checkbox"
                                                 id="hin"
         <input
value="hin"><label for="hin">HINDI</label>
         <input
                  type="checkbox"
                                   name="lang"
                                                 id="tam"
value="tam"><label for="tam">TAMIL</label>
       >
       <label for="add">ADDRESS</label>
       cols="25" rows="10"
         <textarea name="add"
                             id="add"
placeholder="Enter your Address"></textarea>
       >
       <input type="submit" value="SUBMIT">
         <input type="reset" value="RESET">
```

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

Output:



WEEK-3

Question:

Design a web page using CSS (Cascading Style Sheets) which includes the following:

- 1) Use different font, styles: In the style definition you define how each selector should work (font, color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.
- 2) Set a background image for both the page and single elements on the page. You can define the background image for the page like this:
- 3) Control the repetition of the image with the background-repeat property. As background-repeat tiles the image until the entire page is filled, just like an ordinary background image in plain HTML.
- 4) Define styles for links as

A:link

A:visited

A:active

A:hover

3a.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Usage of different font,styles and colors</title>
    link rel="stylesheet" type="text/css" href="3a.css">
</head>
<body>
    <h1>This header is in red</h1>
    <h2>This header is in blue</h2>
    This is normal text
</body>
</html>
```

3a.css

```
h1 {
    color:red;
    text-transform: capitalize;
}
h2 {
    color:blue;
    text-decoration: overline;
}
p{
    font-style: italic;
}
```

OUTPUT:



3b.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Setting background image</title>
    <style type="text/css">
```

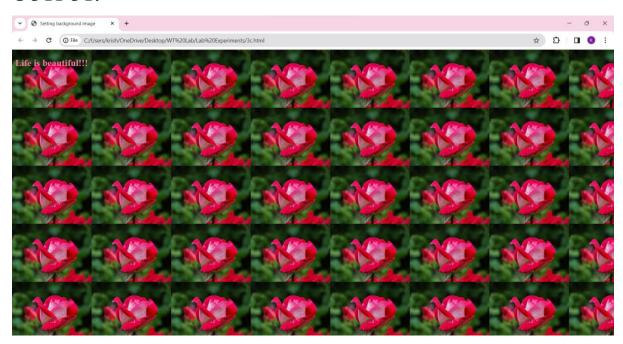
```
body{
    background-image:url("bg.jpg");
    background-repeat:no-repeat;
    background-size: "60%";
}
</style>
</head>
<body text="#ee78a2">
    <h2>Life is beautiful!!!</h2>
</body>
</html>
```



3c.html

```
<!DOCTYPE html>
<html lang="en">
<head>
```

```
<title>Setting background image</title>
<style type="text/css">
body{
background-image:url("bg.jpg");
background-size: "60%";
}
</style>
</head>
<body text="#ee78a2">
<h2>Life is beautiful!!!</h2>
</body>
</html>
```



3d.html

<!DOCTYPE html>

<html lang="en">

```
<head>
  <style>
    a:link{
      color:red;
    }
    a:visited{
      color:green;
    }
    a:hover{
      color:hotpink;
    }
    a:active{
      color:blue;
    }
  </style>
</head>
<body>
  <h2>CSS Links</h2>
  <b><a href="3c.html" target="_blank">This
                                                            a
link</a></b>
</body>
</html>
```



WEEK-4

Question:

VALIDATION: Write JavaScript to validate the following fields of the above registration page.

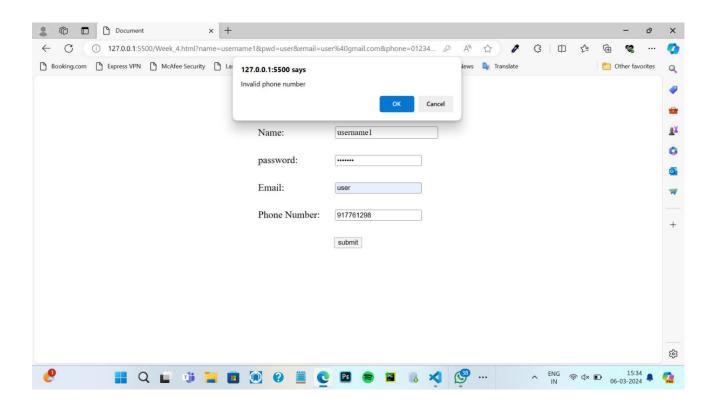
- 1. Name (Name should contains alphabets and the length should not be less than 6 characters).
- 2. Password (Password should not be less than 6 characters length).
- 3. E-mail id (should not contain any invalid and must follow the standard pattern name@domain.com)
- 4. Phone number (Phone number should contain 10 digits only).

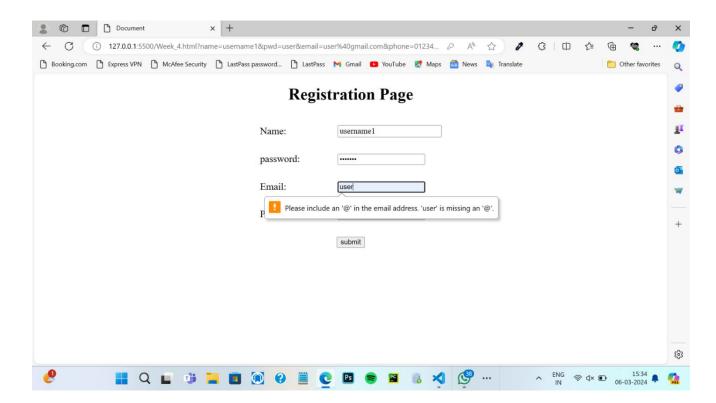
PROGRAM:

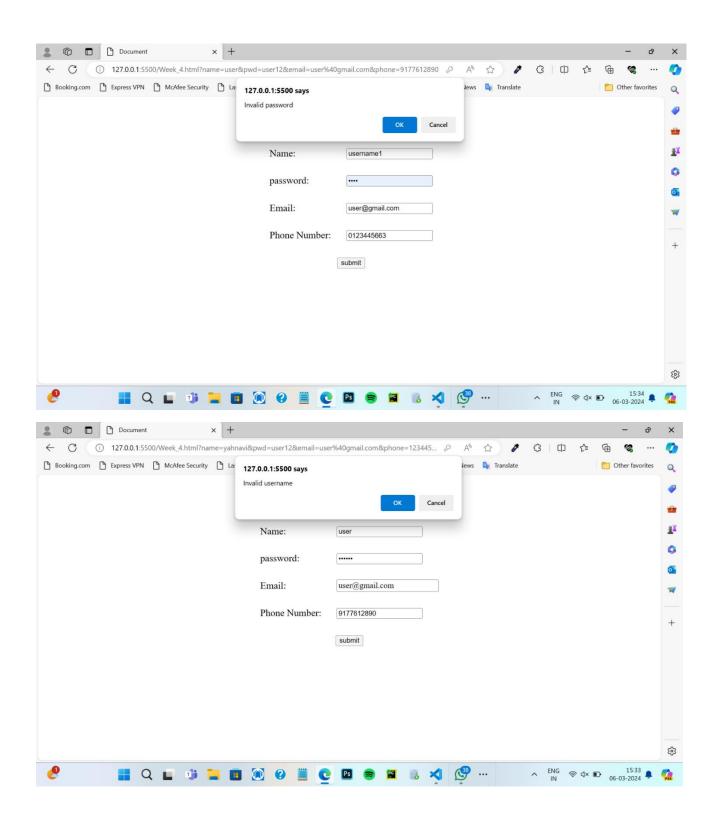
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
           name="viewport" content="width=device-width,
                                                                initial-
  <meta
scale=1.0">
  <title>Document</title>
  <style>
    td{
       font-size: larger;
    }
    .center{
      margin-left: auto;
       margin-right: auto;
```

```
}
  </style>
  <script>
    function validate(){
       var name = document.getElementById('name').value;
       var password = document.getElementById('pwd').value;
       var phone no = document.getElementById('phone').value;
       var regex = /^[a-zA-Z0-9]{6,}$/;
       var regexpass = /^[a-zA-Z0-9]{6,}$/;
       var regexp = /[0-9]{10}/;
       console.log(name);
       if
            (regex.test(name)
                                && regexpass.test(password)
                                                                    &&
regexp.test(phone no)) {
         window.alert("successful");
       }
       else{
         if (!regex.test(name) )
            window.confirm("Invalid username");
         else if (!regexpass.test(password) )
           window.confirm("Invalid password");
         else
           window.confirm("Invalid phone number");
       }
  </script>
</head>
<body>
  <h1 style="text-align: center;">Registration Page</h1>
```

```
<form action="">
   <label for="name">Name: </label>
      <input type="text" name="name" id="name">
    >
      <label for="pwd">password: </label>
      <input type="password" name="pwd" id="pwd">
    <label for="email">Email: </label>
      <input type="email" name="email" id="email">
    <label for="phone">Phone Number: </label>
      <input type="tel" name="phone" id="phone">
    >
                       style="text-align: center;"><button
      <td
           colspan="2"
onclick="validate()">submit</button>
    </form>
</body>
</html>
```







WEEK - 5

Question:

- a) Write an XML file which will display the Book information which includes the following:
 - 1) Title of the book
 - 2) Author Name
 - 3) ISBN number
 - 4) Publisher name
 - 5) Edition
 - 6) Price
- b) Write a Document Type Definition (DTD) to validate the above XML file.
- c) Display the XML file as follows:

The contents should be displayed in a table. The header of the table should be in color GREY. And the Author names column should be displayed in one color and should be capitalized and in bold. Use your own colors for remaining columns. Use XML schemas XSL and CSS for the above purpose. Note: Give at least for 4 books. It should be valid syntactically. Hint: You can use some xml editors like XML-spy.

Program – 5a:

```
<edition>3</edition>
  <price>560</price>
</book>
<book>
  <title>Internet worldwideweb</title>
  <author>Cditel&amp;ditel</author>
  <ISBN>123-456-781</ISBN>
  <publisher>person</publisher>
  <edition>2</edition>
  <price>830</price>
</book>
<book>
  <title>Coding fundamentals</title>
  <author>John</author>
  <ISBN>123-456-987</ISBN>
  <publisher>william</publisher>
  <edition>8</edition>
  <price>400</price>
</book>
<book>
  <title>Linux Programming</title>
  <author>Albert</author>
  <ISBN>123-456-237</ISBN>
  <publisher>Stewert</publisher>
  <edition>4</edition>
  <price>799</price>
</book>
```

```
</bookstore>
Program – 5b:
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT bookstore (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)>
Program – 5c:
<?xml version="1.0" encoding="UTF-8"?>
                                              version="1.0"
<xsl:stylesheet
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
 <html>
   <body>
     <h2>My Books Collection</h2>
     Title
         Author
         ISBN 
         Publisher
         Price
         Edition
```

```
<xsl:for-each select="bookstore/book">
      <xsl:value-of select="title"/>
                  <b><xsl:value-of
select="author"/></b>
       <xsl:value-of select="ISBN"/>
                        bgcolor="#FFFFED"><xsl:value-of
                    <td
select="publisher"/>
       <xsl:value-of select="price"/>
      <xsl:value-of select="edition"/>
      </xsl:for-each>
    </body>
 </html>
</xsl:template>
</xsl:stylesheet>
```

OUTPUT 5c:

My Books Collection

Title	Author	ISBN	Publisher	Price	Edition
Web programming	Chrisbates	4328	wiley	560	3
Internet worldwideweb	Arvind	6781	Gokul	830	2
Coding fundamentals	John	6987	william	400	8
Linux Programming	Albert	1237	Stewert	799	4

WEEK-6

Question: Design a static web page and make the screen responsive using bootstrap.

Program:

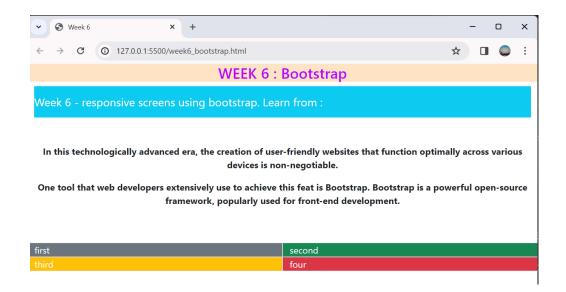
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
             name="viewport" content="width=device-width,
     <meta
                                                            initial-
scale=1.0">
  <title>Week 6</title>
link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min."
css" rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY
6hW+ALEwIH" crossorigin="anonymous">
</head>
<body>
    <h3 style="text-align: center; color: #bb00ff; background-color:
bisque;"> WEEK 6 : Bootstrap </h3>
  <div class="container-fluid">
    <nav class="navbar navbar-expand-lg navbar-light bg-info">
      <a class="navbar-brand" href="#" style="color: white;">
        Week 6 - responsive screens using bootstrap. Learn from:
      </a>
                          <div
                                  class="collapse
                                                   navbar-collapse"
id="navbarSupportedContent">
       cli class="nav-item active">
```

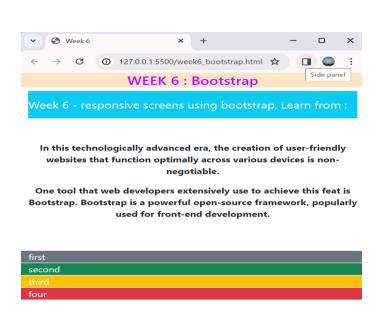
```
class="nav-link" style="color:
                       <a
                                                       white;"
href="https://getbootstrap.com/docs/5.3/components/navbar/"
target=" blank">Official documentation</a>
        <a class="nav-link"
                                          style="color: white;"
href="https://www.w3schools.com/bootstrap/"
target="_blank">w3schools</a>
        <a class="nav-link"
                                          style="color: white;"
href="https://en.wikipedia.org/wiki/Bootstrap_(front-end_framework)"
target="_blank">Wikipedia</a>
        </div>
     </nav>
  </div>
  <hr>>
  <hr>>
  <b>In this technologically advanced era,
the creation of user-friendly websites that function optimally across various
devices is non-negotiable.</b>
   <b>One tool that web developers
extensively use to achieve this feat is Bootstrap. Bootstrap is a powerful
open-source
             framework,
                           popularly
                                       used
                                               for
                                                     front-end
development.</b>
  <hr>
  <br>
  <div class="container-fluid">
    <div class="row">
```

```
<div class="col-lg-3 col-md-6 col-sm-12 border bg-secondary"</pre>
style="color: white;">first</div>
          <div class="col-lg-3 col-md-6 col-sm-12 border bg-success"</pre>
style="color: white;">second</div>
          <div class="col-lg-3 col-md-6 col-sm-12 border bg-warning"</pre>
style="color: white;">third</div>
           <div class="col-lg-3 col-md-6 col-sm-12 border bg-danger"</pre>
style="color: white;">four</div>
    </div>
  </div>
                                                                 <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.
                                                      integrity="sha384-
min.js"
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1e
N7N6jIeHz" crossorigin="anonymous"></script>
</body>
</html>
```

Output:







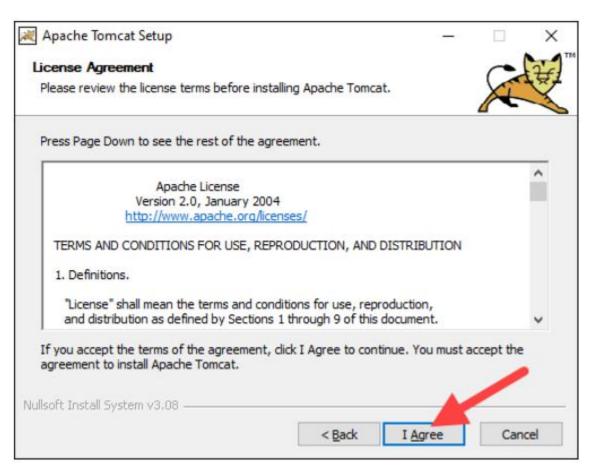
WEEK – 7 Install Tomcat Using the Windows Service Installer

Follow the steps below to install Tomcat using the Windows Service Installer.

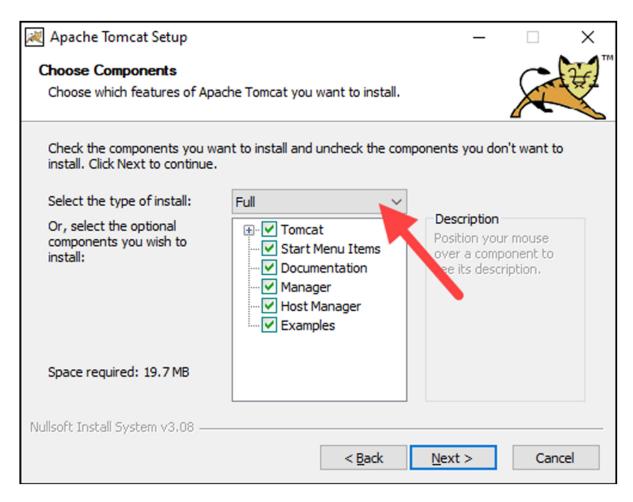
- 1. Open the downloaded Windows Service Installer file to start the installation process.
- 2. In the Tomcat Setup welcome screen, click Next to proceed.



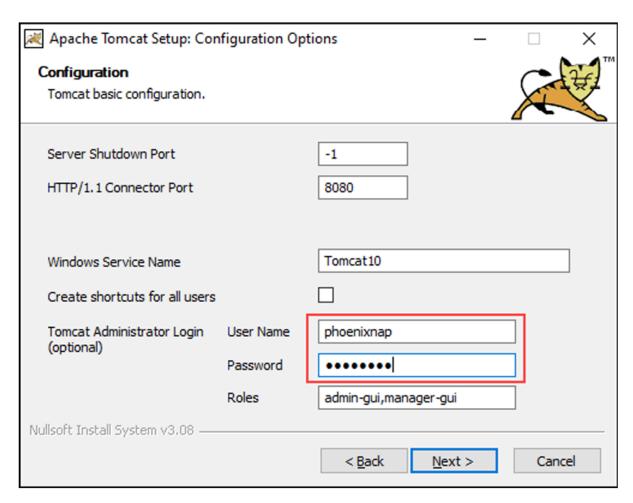
1. Read the License Agreement and if you agree to the terms, click I Agree to proceed to the next step.



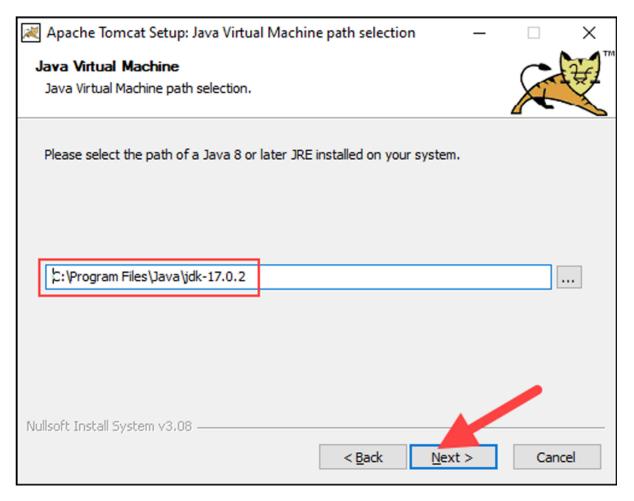
2. In the Tomcat component selection screen, choose Full in the dropdown menu to ensure the wizard installs the Tomcat Host Manager and Servlet and JSP examples web applications. Alternatively, keep the default Normal installation type and click Next.



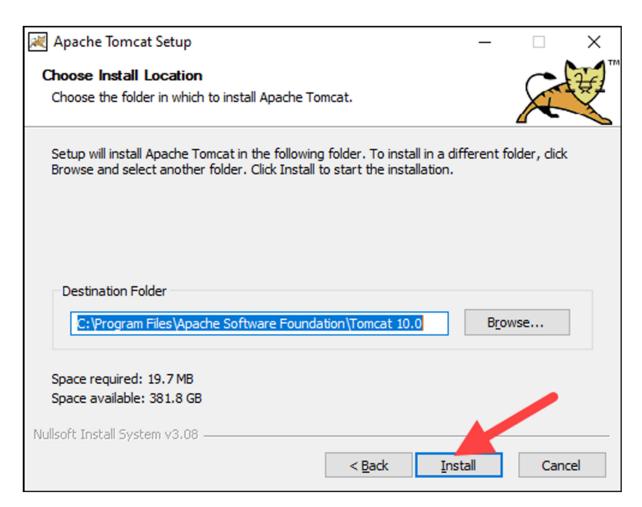
3. The next step configures the Tomcat server. For instance, enter the administrator login credentials or choose a different connection port. When finished, click Next to proceed to the next step.



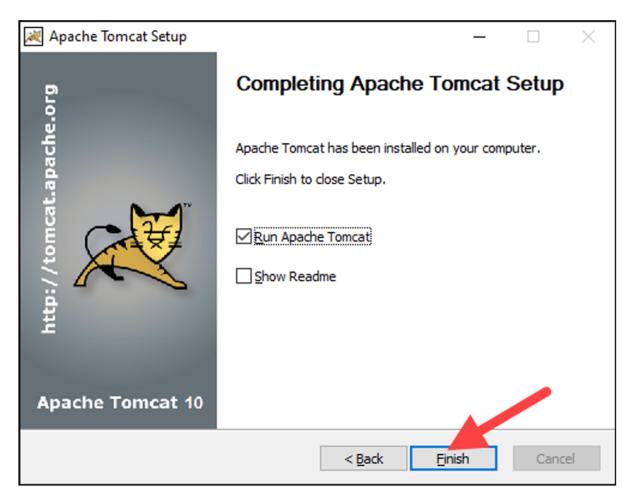
4. The next step requires you to enter the full path to the JRE directory on your system. The wizard auto-completes this if you have previously set up the Java environment variables. Click Next to proceed to the next step.



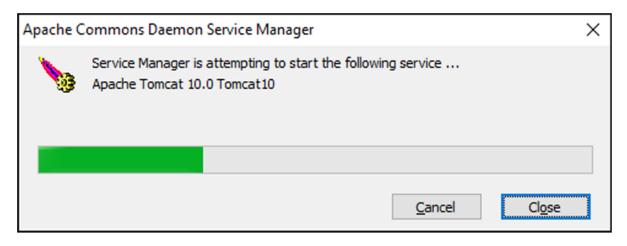
5. Choose the Tomcat server install location or keep the default one and click Install.



6. Check the Run Apache Tomcat box to start the service after the installation finishes. Optionally, check the Show Readme box to see the Readme file. To complete the installation, click Finish.



7. A popup window appears that starts the Tomcat service. After the process completes, the window closes automatically. The Apache Tomcat web server is now successfully installed .



WEEK-8

Question: Write a java program that generates a step-by-step guide for creating a servlet using the Tomcat server

step-by-step guide for creating a servlet using the Tomcat server

- 1. Create a directory structure
- 2. Create a Servlet
- 3. Compile the Servlet
- 4. Create a deployment descriptor
- 5. Start the server and deploy the project
- 6. Access the servlet

Index.html

Web.xml

```
<web-app>

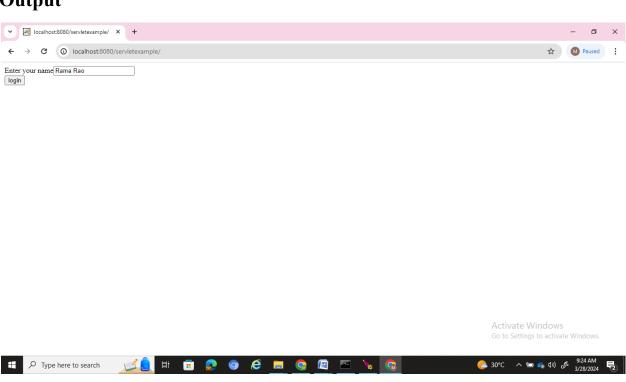
<servlet>
  <servlet-name>sonoojaiswal</servlet-name>
  <servlet-class>DemoServ</servlet-class>
  </servlet>

<servlet-mapping>
  <servlet-name>sonoojaiswal</servlet-name>
  <url-pattern>/welcome</url-pattern>
  </servlet-mapping>
  </servlet-mapping>
```

DemoServ.java

```
import javax.servlet.http.*;
import javax.servlet.*;
import javax.io.*;
public class DemoServ extends HttpServlet{
  public void doGet(HttpServletRequest req,HttpServletResponse
  res)throws ServletException,IOException
  {
    res.setContentType("text/html");
    PrintWriter pw=res.getWriter();
    String name=req.getParameter("name");
    pw.println("Welcome "+name);
}}
```

Output





Activate Windows
Go to Settings to activate Windows.



Week 9

Write a servlet cookie to store the name of the user in the cookie object and accessing it in another servlet

step-by-step guide for creating a servlet cookie using the Tomcat server

- 1. Create a directory structure
- 2. Create a Servlet
- 3. Compile the Servlet
- 4. Create a deployment descriptor
- 5. Start the server and deploy the project
- 6. Access the servlet

Index.html

Type here to search

```
<form action="servlet1">
Name:<input type="text" name="userName"/><br/>
<input type="submit" value="go"/>
</form>
```



📈 🗎 🛱 😥 🧿 🤌 🖫 🥦 🖭

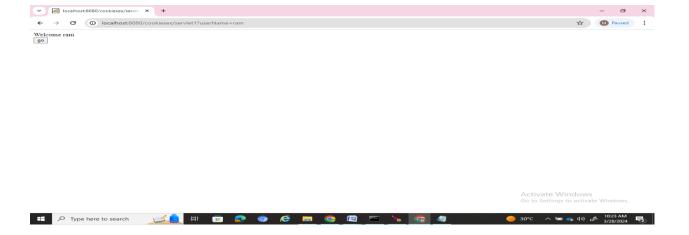


Web.xml

```
<web-app>
<servlet>
<servlet-name>s1</servlet-name>
<servlet-class>FirstServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>s1</servlet-name>
<url-pattern>/servlet1</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>s2</servlet-name>
<servlet-class>SecondServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>s2</servlet-name>
<url-pattern>/servlet2</url-pattern>
</servlet-mapping>
</web-app>
```

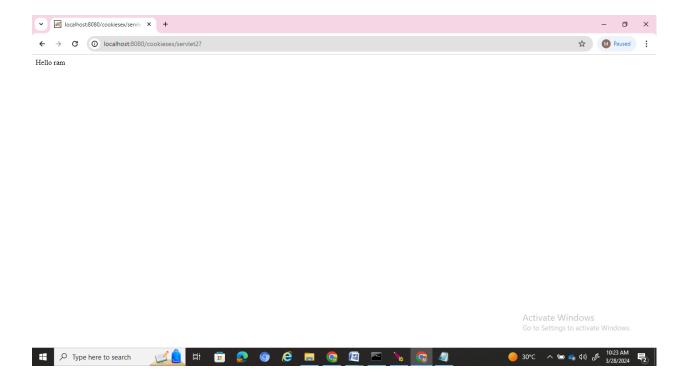
FirstServlet.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class FirstServlet extends HttpServlet {
                         service(HttpServletRequest
              void
 public
                                                           request,
HttpServletResponse response){
  try{
  response.setContentType("text/html");
  PrintWriter out = response.getWriter();
  String n=request.getParameter("userName");
  out.print("Welcome "+n);
  Cookie ck=new Cookie("uname",n);//creating cookie object
  response.addCookie(ck);//adding cookie in the response
  //creating submit button
  out.print("<form action='servlet2'>");
  out.print("<input type='submit' value='go'>");
  out.print("</form>");
  out.close();
    }catch(Exception e){System.out.println(e);}
 }
```



SecondServlet.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class SecondServlet extends HttpServlet {
public
             void
                         service(HttpServletRequest
                                                            request,
HttpServletResponse response){
  try{
  response.setContentType("text/html");
  PrintWriter out = response.getWriter();
  Cookie ck[]=request.getCookies();
  out.print("Hello "+ck[0].getValue());
  out.close();
     }catch(Exception e){System.out.println(e);}
```



Week-10:

Install a database (Mysql or Oracle). Create a table which should contain at least the following fields: name, password, email-id, phone number (these should hold the data from the registration form). Practice 'JDBC' connectivity. Write a java program/servelet/JSP to connect to that database and extract data from the tables and display them. Experiment with various SQL queries. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page

Registration.html:

```
<html>
<head>
<title>Registration page</title>
</head>
<br/><body bgcolor="#00FFFf">
<form METHOD="POST" ACTION="register">
<CENTER>
<center>
  Username 
<input type="text" name="usr">  
 Password 
<input type="password" name="pwd">  
Age
<input type="text" name="age">  
 Address
<input type="text" name="add">  
 email
<input type="text" name="mail">  
 Phone
<input type="text" name="phone">
```

Login.html

```
<html>
<head>
<title>Registration page</title>
</head>
<body bgcolor=pink> <center> 
<form METHOD="POST" ACTION="authent">
  Username 
<input type="text" name="usr"> 
  Password 
<input type="password" name="pwd">  
   d align=center colspan="2"><input type="submit"</td>
value="submit"> 
 </center>
</form>
</body>
</html>
```

Ini.java:

import
javax.servlet.*;

```
import
          java.sql.*;
           java.io.*;
import
public
         class
                  Ini
extends
GenericServlet
private String user1,pwd1,email1;
public void service(ServletRequest req,ServletResponse res)
throws ServletException,IOException
user1=req.getPara
meter("ser");
pwd1=req.getPara
meter("pwd");
email1=req.getPar
ameter("email");
res.setContentTyp
e("text/html");
PrintWriter
out=res.getWriter(
); try
  {
  Class.forName("oracle.jdbc.driver.OracleDriver");
  Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@195.100.101
.158:1521:cclab","scott","tiger");
                                                PreparedStatement
```

```
st=con.prepareStatement("insert into personal values(?,?,?,?,?)");
st.setString(1,user1);
st.setString(2,pwd1);
st.setString(3,"25");
st.setString(4,"hyd");
st.setString(5,email1);
st.setString(6,"21234"
); st.executeUpdate();
con.close();
 }
catch(SQLException s)
{ out.println("not found "+s);
}
catch(ClassNotFoundException c)
out.println("n
ot found "+c);
}
} }
web.xml:
<web-app>
<servlet>
<servlet-name>init1</servlet-name>
<servlet-class>Ini</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>init1</servlet-name>
```

- <url-pattern>/regis</url-pattern>
- </servlet-mapping>
- </web-app>

OUTPUT:

