

Date: 25th January 2023

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Course Code and Name: 2CSDE69 LAMP Technology

Practical No. 1

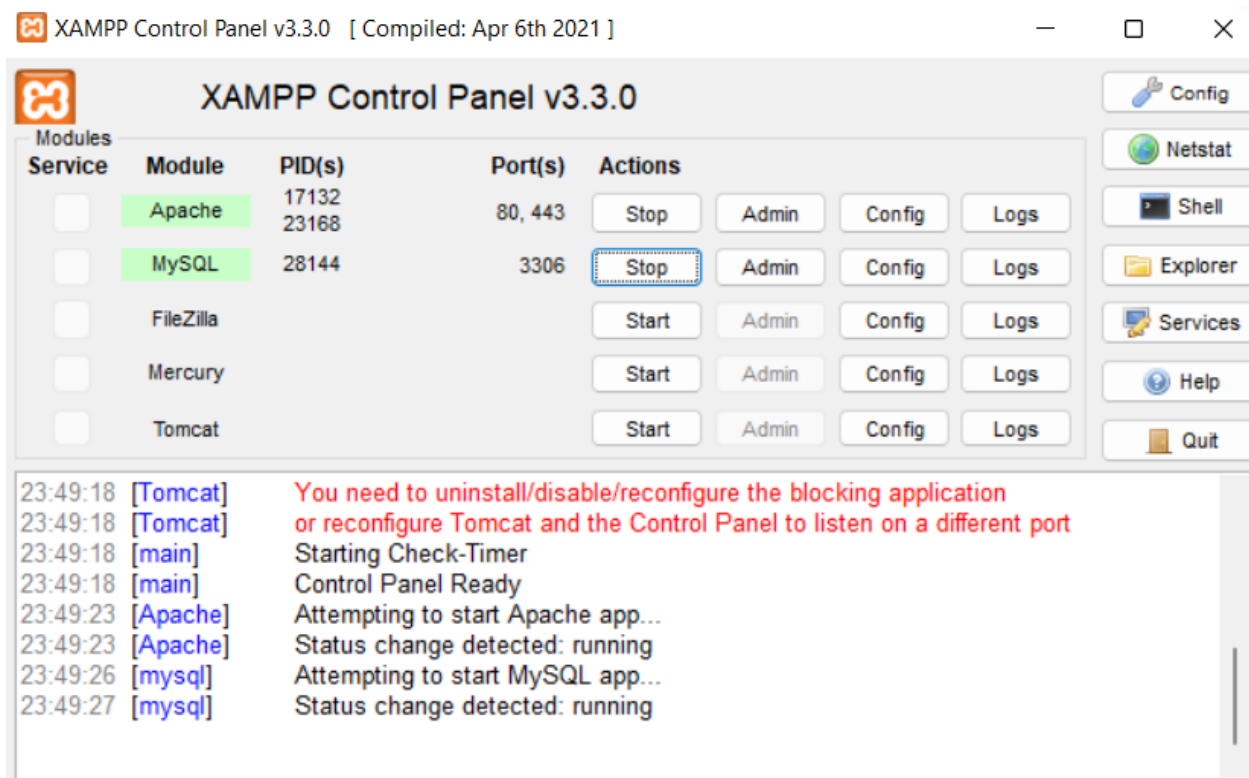
AIM:

(A) Configure and understanding of LAMP and XAMPP server

(B) Design a personal profile web page, which contains form to enter personal, academic, co-curricular information, using basic concept of HTML, CSS and JavaScript. Also validate each field.

Methodology followed:

(A)



Port 80. This is the port number which XAMPP uses.

```
httpd.conf - Notepad

File Edit View

# ports, instead of the default. See also the <VirtualHost>
# directive.
#
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 80
|
#
# Dynamic Shared Object (DSO) Support
#
# To be able to use the functionality of a module which was built as a DSO you
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by `httpd -l`) do not need
# to be loaded here.
#
```

```
httpd.conf - Notepad

File Edit View

# you might expect, make sure that you have specifically enabled it
# below.
#
#
# DocumentRoot: The directory out of which you will serve your
# documents. By default, all requests are taken from this directory, but
# symbolic links and aliases may be used to point to other locations.
#
DocumentRoot "C:/LAMP/htdocs"
<Directory "C:/LAMP/htdocs">
#
# Possible values for the Options directive are "None", "All",
# or any combination of:
#   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
#
# Note that "MultiViews" must be named *explicitly* --- "Options All"
# doesn't give it to you
```

(B)

```
<html>

<head>
  <title>Registration Form</title>
  <script>
    function null_check(){
      t=event.target.id;
      if(document.getElementById(t).value==""){
        document.getElementById(t).placeholder="Field cannot be empty";
      }
    }

    function lettercheck(){
      if( (event.keyCode >= 65 && event.keyCode <= 90) || (event.keyCode >= 97 && event.keyCode <= 122))
        return true;
      else
        return false;
    }

    function num_check(){
      if(event.keyCode >= 48 && event.keyCode <= 57)
        return true;
      return false;
    }

    function validate_email(){
      t=event.target.id;
      var regex = /^[0-9]{2}[a-zA-Z]{3}[0-9]{3}@[nirmauni.ac.in]/;
      if(document.getElementById(t).value.match(regex))
      {
        document.getElementById(t).focus;
      }
      else{

        document.getElementById(t).value="";
        document.getElementById(t).placeholder="Enter a valid email address"
      }
    }
  </script>

```

```

}
function mobile_check(){
    t=event.target.id;
    var regex = /^[0-9]{10}/;
    if(document.getElementById(t).value.match(regex))
    {
        document.getElementById(t).focus;
    }
    else{
        document.getElementById(t).value="";
        document.getElementById(t).placeholder='Enter a valid mobile number'
    }
}

function password_validate(){
    t=event.target.id;
    var regex = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[a-zA-Z0-9])(?!.*\s){8,15}$/;
    if(document.getElementById(t).value.match(regex))
    {
        document.getElementById(t).focus;
    }
    else{
        alert("Wrong...! There should be atleast one uppercase and lowercase letter, number and a special character")
        document.getElementById(t).value="";

    }
}

function password_confirm(){
    t=event.target.id;

    if(document.getElementById(t).value==document.getElementById('password').value)
    {
        document.getElementById(t).focus;
    }
    else
    {
        alert('Password did not match')
    }
}

```

```

        document.getElementById("password").value="";
        document.getElementById(t).value="";

    }
}

</script>
<style>
    body{
        background-image:url(https://media.giphy.com/media/fi8TOC7q8m5LW/giphy.gif);
        background-repeat: no-repeat;
        background-size: cover;
    }
    h3{
        color: white;
    }
    form{
        background-color:rgb(245, 156, 73);
        color: white;
        width: 500px;
        margin-left: 37%;
        margin-top: 05%;
        opacity:0.9;
    }
    table{
        background-color: transparent;
        color: black;
    }
</style>
</head>

<body>
    <form name="form1" action="thanku.html">
        <br>
        <h3 align="center">STUDENT REGISTRATION FORM</h3>
        <hr color="aliceblue" width="40%" size=4>
        <table align="center" cellpadding="10" >

```

```

<tr>
  <td><label for="firstname">First name:</label></td>
  <td><input type="text" name="firstname" id="firstname" placeholder="enter your first name"
onblur="null_check()" onkeypress="return lettercheck()" required><br></td>
</tr>
<tr>
  <td><label for="lastname">Last name:</label></td>
  <td><input type="text" name="lastname" id="lastname" placeholder="enter your last name"
onblur="null_check()" onkeypress="return lettercheck()" required><br></td>
</tr>
<tr>
  <td><label for="email">Email:</label></td>
  <td><input type="text" name="email" id="email" placeholder="enter your email"
onblur="validate_email()"><br></td>
</tr>
<tr>
  <td><label for="password">Password:</label></td>
  <td><input type="password" name="password" id="password" placeholder="enter your password"
onblur="password_validate()"></td><br>
</tr>
<tr>
  <td><label for="confirm password">Confirm Password:</label></td>
  <td><input type="password" name="confirmpass" id="confirmpass" placeholder="confirm password"
onblur="password_confirm()"></td>
</tr>
<tr>
  <td><label for="PhoneNumber">Phone Number:</label></td>
  <td><input type="text" name="PhoneNumber" id="PhoneNumber" maxlength="10" onkeypress="return
num_check()" placeholder="enter phonenumber" onblur="mobile_check()"></td><br>
</tr>
<tr>
  <td>Date of Birth</td>
  <td>
    <input type="date" id="birthday" name="birthday">
  </td>
</tr>
<tr>

```

```

        <td><label for="gender">Gender:</label></td>

        <td>Male: <input type="radio" name="gender" value="male">
    </tr>

    <tr>

        <td></td>

        <td>Female: <input type="radio" name="gender" value="female"></td>
    </tr>

    <td></td>

    <td>Other: <input type="radio" name="gender" value="other"></td>
    <br> </tr>

    <tr>

        <td>Languages Known </td>

        <td>
            <input type="checkbox" name="Hindi" value="Hindi"> Hindi
            <input type="checkbox" name="English" value="English"> English <input type="checkbox"
                name="Gujarati" value="Gujarati"> Gujarati <br>If any Other
            <input type="text" name="Other_Languages" maxlength="30">
        </td>
    </tr>

    <tr>

        <td><label for="Branch">Branch</label></td>

        <td>
            <select name="Branch" id="Branch">
                <option value="">Select Branch</option>
                <option value="Chemical">Chemical</option>
                <option value="Civil">Civil</option>
                <option value="Computer">Computer</option>
                <option value="Electrical">Electrical</option>
                <option value="Mechanical">Mechanical</option>
            </select>
        </td>
    </tr> <br>

    <tr>

        <td><label for="about">About:</label></td>

        <td><textarea name="about" id="about" placeholder="Write about yourself..."></textarea></td>
    </tr>

```

```

<tr>
  <td>Vaccine Cerificate : </td>
  <td><input type="file" id="myFile" name="filename"></td>
</tr>
<tr>
  <td colspan="2"><input type="reset" class="reset" value="Reset" /></td>
  <td><input type="submit" class="submit" value="Submit" /></td>
</tr>
</table>
</form>
</body>

</html>

```

Input/Output :

The screenshot shows a web browser window with the address bar displaying 'file:///Users/dhyan/Documents/Code/HTML/6c.html'. The main content is a 'STUDENT REGISTRATION FORM' on an orange background. The form includes the following fields and controls:

- First name:** Text input field with placeholder 'enter your first name'.
- Last name:** Text input field with placeholder 'enter your last name'.
- Email:** Text input field with placeholder 'enter your email'.
- Password:** Text input field with placeholder 'enter your password'.
- Confirm Password:** Text input field with placeholder 'confirm password'.
- Phone Number:** Text input field with placeholder 'enter phonenumber'.
- Date of Birth:** Text input field with placeholder '20/02/2023'.
- Gender:** Radio buttons for 'Male', 'Female', and 'Other'.
- Languages Known:** Checkboxes for 'Hindi', 'English', and 'Gujarati', followed by a text input field for 'If any Other'.
- Branch:** A dropdown menu with the text 'Select Branch' and a blue arrow icon.
- About:** Text area with placeholder 'Write about yourself...'.
- Vaccine Certificate:** A file upload button labeled 'Choose File' and the text 'no file selected'.

The screenshot shows a web browser window displaying a "STUDENT REGISTRATION FORM". The form is set against a dark background with a faint geometric pattern. The form fields are as follows:

- First name:** Input field containing "sdfdsf".
- Last name:** Input field containing "sdsds".
- Phone Number:** Input field with placeholder text "enter phonenumber".
- Date of Birth:** Input field containing "20/02/2023".
- Gender:** Radio buttons for "Male", "Female", and "Other".
- Languages Known:** Checkboxes for "Hindi", "English", and "Gujarati", followed by an "If any Other" input field.
- Branch:** A dropdown menu showing "Select Branch".
- About:** A text area with placeholder text "Write about yourself...".
- Vaccine Certificate:** A "Choose File" button and the text "no file selected".

A white error message box is overlaid on the form, stating: "Wrong...! There should be atleast one uppercase and lowercase letter, number and a special character". The box has a "Close" button in the bottom right corner.

The screenshot shows the same "STUDENT REGISTRATION FORM" but now fully filled out. The fields are as follows:

- First name:** Input field containing "sdfdsf".
- Last name:** Input field containing "sdsds".
- Email:** Input field containing "20bce204@nirmauni.ac.in".
- Password:** Input field containing "*****".
- Confirm Password:** Input field containing "confirm password".
- Phone Number:** Input field containing "3333333333".
- Date of Birth:** Input field containing "25/01/2023".
- Gender:** Radio buttons for "Male", "Female", and "Other". The "Male" radio button is selected.
- Languages Known:** Checkboxes for "Hindi", "English", and "Gujarati". The "Hindi" checkbox is checked. There is also an "If any Other" input field.
- Branch:** A dropdown menu showing "Computer".
- About:** A text area with placeholder text "Write about yourself...".
- Vaccine Certificate:** A "Choose File" button and the text "no file selected".

At the bottom of the form, there are two buttons: "Reset" on the left and "Submit" on the right.

Conclusion: I learnt validation on different fields in the form and revised the concepts of css and javascript.