

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
KATTANKULATHUR – 603 203**

**Web Programming  
15IT304J**

**STUDENT ATTENDANCE SYSTEM**

**ACADEMIC YEAR 2020-2021**

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YEAR 4, SEMESTER 7

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(under Section 3 of UGC Act, 1956)  
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**BONAFIDE CERTIFICATE**

*Certified to be the bonafide record of work done by Himanshu Rattan - RA1711003010400 of CSE, B.Tech Degree course in the Practical 15IT304J – Web Programming, in SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Kattankulathur during the academic year 2020-2021.*

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Date: 7th November, 2020

*Submitted for University Examination held in Lab, **SRM UNIVERSITY, Kattankulathur.***

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## EXPERIMENT 1

**DATE:** 10th August, 2020

**TITLE:** Implementation of HTML Tags for Student Attendance System

**AIM:** Creating Static Home Page by using HTML Tags for Student Attendance System

### **PROCEDURE:**

1. Install XAMPP Control Panel.
2. Install Sublime Text
3. Create a folder under c:\xampp\htdocs path and name it as Web  
Example: c:\xampp\htdocs\Web
4. Create the following folders in your project folder to store the supporting files of your project.:  
Example: c:\xampp\htdocs\Web\faculty  
c:\xampp\htdocs\Web\students
5. Create HTML files as mentioned in the code section.
6. Start the xampp application and then start apache server.
7. Go to localhost:3000/web/loginteacher.html to view the file.

### **CODE:**

#### **loginteacher.html**

```
<html><head>
  <title>
    Login Teacher
  </title></head><body >
  <form name="login" action="" method="POST">
    <div class="container h-100">
      <div class="row align-items-center h-100">
        <div class="col-6 mx-auto">
          <div class="card" >
            <div >
              <h5>Faculty Login</h5>
            </div>
            <form>
              <div class="form-group">
                <label for="exampleInputEmail1">Email address</label>
                <input type="email" class="form-control" aria-describedby="emailHelp"
name="email" required>
              </div>
              <div class="form-group">
```

```

        <label for="exampleInputPassword1">Password</label>
<input type="password" class="form-control" name="pwd" minlength="8" required></div>
        <button class="btn btn-primary" id="form-submit" type="submit"
name="submit">Sign In</button></form></div>
    </div></div></div></form>
</body>
</html>

```

### Loginstudent.html

```

<html><head>
    <title>
        Login Student
    </title></head>
<body>
    <form name="login" action="" method="POST">
        <div class="container h-100"><div class="row align-items-center h-100">
            <div class="col-6 mx-auto"><div class="card">
                <div >
                    <h4>Welcome Back!</h4>
                    <h5>Please login to continue</h5>
                </div>
                <form>
                    <div class="form-group">
                        <label for="exampleInputEmail1">Email address</label>
                        <input type="email" class="form-control" aria-describedby="emailHelp"
name="email" id="form-email" placeholder="Email">
                    </div>
                    <div class="form-group">
                        <label for="exampleInputPassword1">Password</label><input
type="password" class="form-control" name="pwd" id="form-pwd" placeholder="Password"
minlength="8"></div>
                        <button class="btn btn-primary" id="form-submit" type="submit"
name="submit">Sign In</button>
                    </form>
                </div></div></div></div></form>
            </div>
        </div>
</body>
</html>

```

### signupstudent.html

```

<html><head>
    <title>
        Sign Up Student
    </title>

```

```

</head>
<body><div class="container h-100">
  <div class="row"><div class="col-6"><div class="card">
    <div>
      <h4>Student Sign Up!</h4>
    </div>
    <form method="post" action="signupstudent.php">
      <div class="row"><div class="col"><input type="text" class="form-control"
placeholder="First name" name="fname" required>
      </div>
      <div class="col"><input type="text" class="form-control" placeholder="Last
name" name="lname" required>
      </div></div>
      <div class="row" style="margin-top: 20px;"><div class="col">
        <input type="text" class="form-control" placeholder="Registration Number"
name="regno" required></div>
      </div><div class="row" style="margin-top: 20px;"><div class="col">
        <input type="email" class="form-control" placeholder="Email" name="email"
required></div></div>
      <div class="row" style="margin-top: 20px;"><div class="col">
        <input type="password" class="form-control" placeholder="Password"
name="password" required>
      </div>
      <div class="col">
        <input type="password" class="form-control" placeholder="Confirm
Password" name="cpassword" required>
      </div> </div>
      <div class="row" style="margin-top: 20px;">
        <div class="col">
          <input type="text" class="form-control" placeholder="Batch" name="batch"
required>
        </div>
      </div>
      <div class="row" style="margin-top: 20px;">
        <div class="col">
          <label for="exampleFormControlSelect1">Branch</label>
          <select class="form-control" id="exampleFormControlSelect1"
name="branch"><option>CSE</option><option>IT</option><option>Mechanical</option><optio
n>ECE</option><option>EEE</option>
          </select>
        </div>
      </div>
      <div class="row" style="margin-top: 20px;"> <div class="col">

```

```

        <div class="form-check"><input class="form-check-input" type="radio"
name="gender" id="exampleRadios1" value="male" checked>
        <label class="form-check-label" for="exampleRadios1">
            Male
        </label></div>
    </div>
    <div class="col">
        <div class="form-check">
            <input class="form-check-input" type="radio" name="gender"
            id="exampleRadios2" value="female">
            <label class="form-check-label" for="exampleRadios2">
                Female
            </label>
        </div> </div></div>
        <button type="submit" class="btn btn-primary" name="register_btn"
style="margin-top: 20px;">Sign Up</button>
    </form>
</div></div></div></div>
</body>
</html>

```

## OUTPUT

Loginteacher.html

Faculty Login

Email address

Password

loginstudent.html

**Welcome Back!**

Please login to continue

Email address

Password

signupstudent.html

**Student Sign Up!**

Branch

☒ Male

☐ Female

## **RESULT**

The experiment was successfully executed.



## EXPERIMENT 2

**DATE:** 18th August, 2020

**TITLE:** Implementation of CSS for Student Attendance System

**AIM:** Adding internal and external CSS to the Student Attendance System

**PROCEDURE:**

1. Add bootstrap CSS to the HTML files.
2. Create an external CSS file.
3. Import it in all the HTML files.
4. Write the CSS and go to the respective path to view the files and changes.

**CODE:**

**loginstudent.html**

```
<html><head>
  <title>
    Login Student
  </title><link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5
t9UJ0Z" crossorigin="anonymous">
</head>
<body style="background-color: #6DD09A;">
  <form name="login" action="" method="POST"><div class="container h-100"><div
class="row align-items-center h-100"><div class="col-6 mx-auto">
  <div class="card" style="padding:40px;border-radius: 10px;box-shadow: 0 4px 8px
0 rgba(0,0,0,0.2);">
    <div style="text-align:center">
      <h4>Welcome Back!</h4>
      <h5>Please login to continue</h5></div><form>
      <div class="form-group">
        <label for="exampleInputEmail1">Email address</label>
        <input type="email" class="form-control" aria-describedby="emailHelp"
name="email" id="form-email" placeholder="Email"></div>
        <div class="form-group">
          <label for="exampleInputPassword1">Password</label><input
type="password" class="form-control" name="pwd" id="form-pwd" placeholder="Password"
minlength="8"></div>
          <button class="btn btn-primary" id="form-submit" type="submit"
name="submit">Sign In</button></form></div></div></div> </div>
```

```

    </form>
</body></html>
signupstudent.html
<html><head>
    <title>
        Sign Up Student
    </title><link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5
t9UJ0Z" crossorigin="anonymous">
</head>
<body style="background-color: #8481B6;">
    <div class="container h-100"><div class="row align-items-center h-100"><div class="col-6
mx-auto"> <div class="card" style="padding:40px;border-radius: 10px;box-shadow: 0 4px 8px 0
rgba(0,0,0,0.2);">
        <div style="text-align:center">
            <h4>Student Sign Up!</h4>
        </div> <form method="post" action=""><div class="row" style="margin-top:
20px;"><div class="col">
            <input type="text" class="form-control" placeholder="First name"
name="fname" required></div><div class="col">
            <input type="text" class="form-control" placeholder="Last name"
name="lname" required>
        </div></div><div class="row" style="margin-top: 20px;">
            <div class="col">
                <input type="text" class="form-control" placeholder="Registration Number"
name="regno" required></div>
            </div><div class="row" style="margin-top: 20px;">
                <div class="col">
                    <input type="email" class="form-control" placeholder="Email" name="email"
required></div></div>
                <div class="row" style="margin-top: 20px;">
                    <div class="col">
                        <input type="password" class="form-control" placeholder="Password"
name="password" required> </div>
                    <div class="col"><input type="password" class="form-control"
placeholder="Confirm Password"
name="cpassword" required></div></div><div class="row"
style="margin-top: 20px;"><div class="col">
                        <input type="text" class="form-control" placeholder="Batch" name="batch"
required>
                    </div> </div></div><div class="row" style="margin-top: 20px;"><div class="col">

```

```

        <label for="exampleFormControlSelect1">Branch</label><select
class="form-control" id="exampleFormControlSelect1" name="branch">
<option>CSE</option><option>IT</option><option>Mechanical</option><option>ECE</option>
        <option>EEE</option>
        </select></div></div>
    <div class="row" style="margin-top: 20px;"><div class="col"><div
class="form-check">
        <input class="form-check-input" type="radio" name="gender"
        id="exampleRadios1" value="male" checked><label
class="form-check-label" for="exampleRadios1">
            Male
        </label></div></div>
    <div class="col"><div class="form-check">
        <input class="form-check-input" type="radio" name="gender"
        id="exampleRadios2" value="female">
        <label class="form-check-label" for="exampleRadios2">
            Female
        </label></div></div></div>
        <button type="submit" class="btn btn-primary" name="register_btn"
style="margin-top: 20px;">Sign Up</button>
    </form> </div></div></div></div>
</body>
</html>

```

### loginteacher.html

```

<html><head>
    <title>
        Login Teacher
    </title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5
t9UJ0Z" crossorigin="anonymous">
</head>
<body style="background-color: #48C4BA;">
    <form name="login" action="" method="POST"><div class="container h-100">
        <div class="row align-items-center h-100"> <div class="col-6 mx-auto">
            <div class="card" style="padding:40px;border-radius: 10px;box-shadow: 0 4px 8px
0 rgba(0,0,0,0.2);"><div style="text-align:center">
                <h5>Faculty Login</h5>
            </div><form>
                <div class="form-group">
                    <label for="exampleInputEmail1">Email address</label>

```

```

        <input type="email" class="form-control" aria-describedby="emailHelp"
name="email" required>
    </div><div class="form-group">
        <label for="exampleInputPassword1">Password</label>
        <input type="password" class="form-control" name="pwd" minlength="8"
required></div>
        <button class="btn btn-primary" id="form-submit" type="submit"
name="submit">Sign In</button>
    </form></div></div> </div></div>
</form>
</body>
</html>

```

## OUTPUT

[loginstudent.html](#)

Welcome Back!  
Please login to continue

Email address

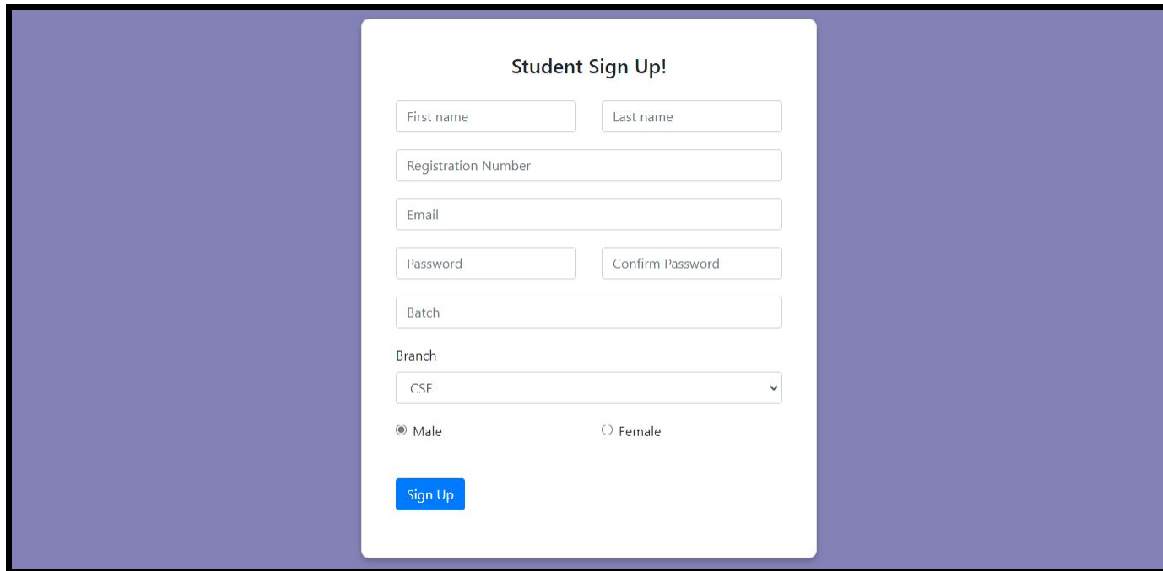
Email

Password

Password

Sign In

[singupstudent.html](#)



A screenshot of a web form titled "Student Sign Up!". The form is centered on a purple background. It contains several input fields: "First name", "Last name", "Registration Number", "Email", "Password", "Confirm Password", and "Batch". There is also a dropdown menu for "Branch" with "CSF" selected. At the bottom, there are radio buttons for "Male" (selected) and "Female", and a blue "Sign Up" button.

Student Sign Up!

First name Last name

Registration Number

Email

Password Confirm Password

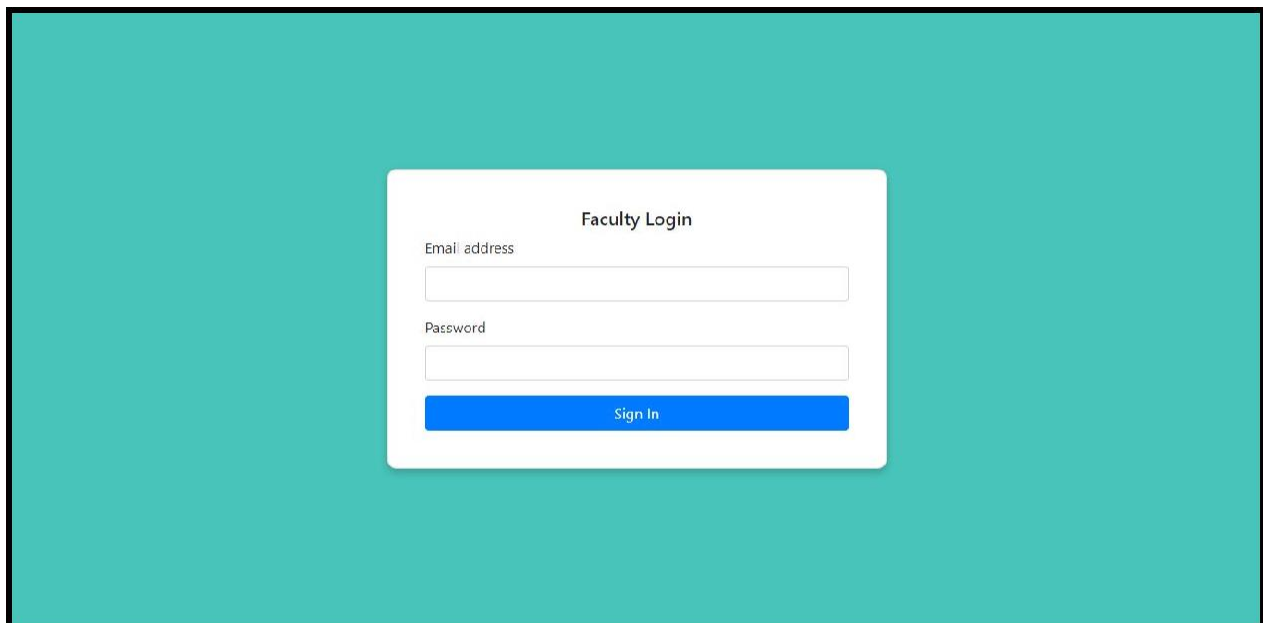
Batch

Branch  
CSF

☒ Male ☐ Female

Sign Up

[loginteacher.html](#)



A screenshot of a web form titled "Faculty Login". The form is centered on a teal background. It contains two input fields: "Email address" and "Password". Below the fields is a blue "Sign In" button.

Faculty Login

Email address

Password

Sign In

## **RESULT**

The experiment was successfully executed.

## EXPERIMENT 3

**DATE:** 2nd September, 2020

**TITLE:** Validate the Sign up, user login pages using JavaScript

**AIM:** Adding javascript validation to the Student Attendance System

### **PROCEDURE:**

1. Create script tags inside the HTML files
2. Add names to all the input fields
3. Add matching javascript code inside the script tags to validate the user input.
4. Start the server and go to the respective paths to view the file.

### **CODE**

**loginteacher.html**

```
<script>
function validateForm() {
    var x = document.forms["myForm"]["email"].value;
    var y = document.forms["myForm"]["password"].value;
    if (x == "") {
        alert("Email must be filled out.");
        return false;
    }
    if (y == "") {
        alert("Password must be filled out.");
        return false;
    }
}
</script>
```

**loginstudent.html**

```
<script>
function validateForm() {
    var x = document.forms["myForm"]["email"].value;
    var y = document.forms["myForm"]["password"].value;
    if (x == "") {
        alert("Email must be filled out.");
        return false;
    }
    if (y == "") {
        alert("Password must be filled out.");
        return false;
    }
}
```

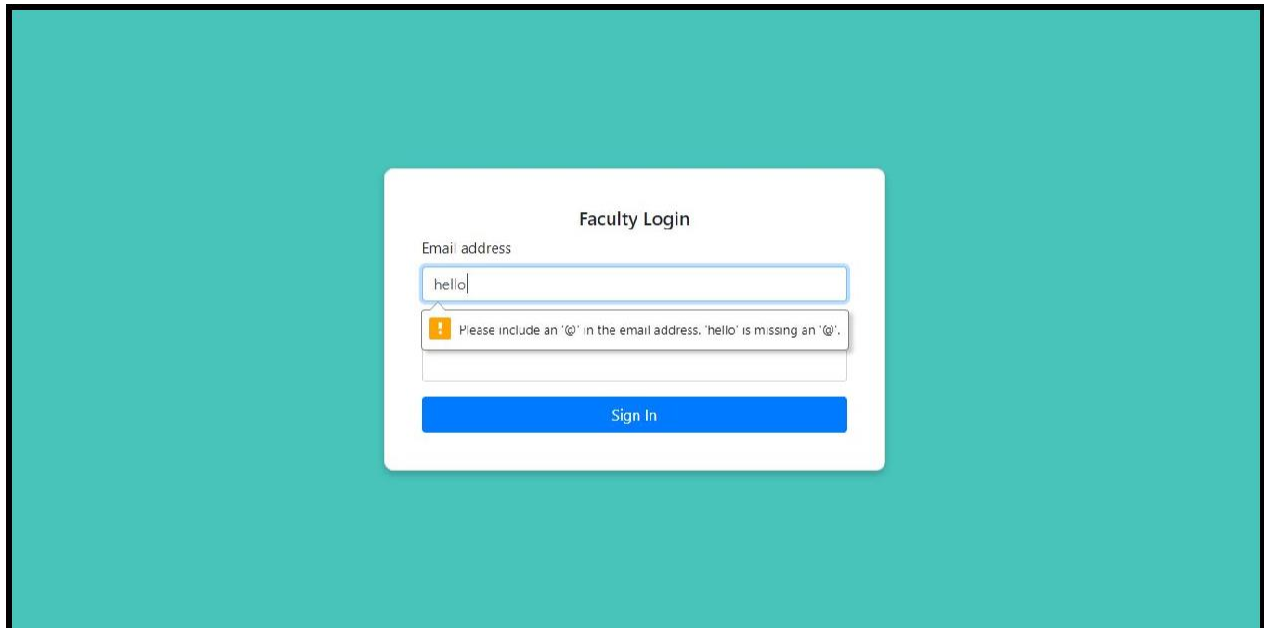
</script>

**signupstudent.html**

```
<script>function validateForm() {  
    var a = document.forms["myForm"]["fname"].value;  
    var b = document.forms["myForm"]["lname"].value;  
    var c = document.forms["myForm"]["email"].value;  
    var d = document.forms["myForm"]["password"].value;  
    var e = document.forms["myForm"]["cpassword"].value;  
    var f = document.forms["myForm"]["batch"].value;  
    if (a == "") {  
        alert("First Name must be filled out.");  
        return false; }  
    if (b == "") {  
        alert("Last Name must be filled out.");  
        return false;}if (c == "") {alert("Email must be filled out.");  
        return false;}  
    if (d == "") {alert("Password must be filled out.");  
        return false;}  
    if (e == "") {  
        alert("Please Confirm Password.");  
        return false;}  
    if (f == "") {alert("Batch must be filled out.");return false; } </script>
```

## **OUTPUT**

**loginteacher.html**



The screenshot shows a web form titled "Faculty Login" on a teal background. The form has a white background and a blue border. It contains a label "Email address" above a text input field. The input field contains the text "hello". Below the input field, there is a yellow warning icon and a message: "Please include an '@' in the email address. 'hello' is missing an '@'." At the bottom of the form, there is a blue button labeled "Sign In".

## **RESULT**

The experiment was successfully executed.

## EXPERIMENT 4

**DATE:** 9th September, 2020

**TITLE:** Writing XML file to display user information

**AIM:** Adding XML file to display in the Student Attendance System

### **PROCEDURE:**

1. Create a students.xml file inside the faculty folder.
2. Create a viewstudents.html file inside the faculty folder.
3. Add it inside the navbar for faculty.
4. Add content to students.xml file as shown in the code section.
5. Add simultaneous code to display the content in the viewstudents.html page.

### **CODE**

#### **students.xml**

```
<STUDENTS>
  <STUDENT>
    <NAME>Himanshu Rattan</NAME>
    <REGNO>RA1711003010400</REGNO>
    <EMAIL>himanshu@gmail.com</EMAIL>
  </STUDENT>
  <STUDENT>
    <NAME>AKSHAAN KHANNA</NAME>
    <REGNO>RA1711003010330</REGNO>
    <EMAIL>akshaan@gmail.com</EMAIL>
  </STUDENT>
  <STUDENT>
    <NAME>JAYWRAT</NAME>
    <REGNO>RA1711003010356</REGNO>
    <EMAIL>jaywrat@gmail.com</EMAIL>
  </STUDENT>
  <STUDENT>
    <NAME>JOHN DOE</NAME>
    <REGNO>RA1711003010111</REGNO>
    <EMAIL>john@gmail.com</EMAIL>
  </STUDENT>
</STUDENTS>
```

#### **viewstudents.html**

```
<html><head><title>
  Past Attendance
```



```

</title><link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5
t9UJ0Z" crossorigin="anonymous">
</head>
<style>
table,th,td {
    border : 1px solid black;
    border-collapse: collapse;
}
th,td {
    padding: 5px;
}
</style>
<body><nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#">
    </a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent"
    aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mr-auto"> <li class="nav-item">
            <a class="nav-link" href="takeattendance.php">Take Attendance</a>
        </li><li class="nav-item">
            <a class="nav-link" href="viewattendance.php"> Past Attendance</a></li>
        <li class="nav-item active">
            <a class="nav-link" href="viewstudents.php"> View Students</a>
        </li><li class="nav-item">
            <a class="nav-link" href="announcement.php"> Announcement</a></li></ul>
        <form class="form-inline my-2 my-lg-0">
            <a class="nav-link" href="logout.php">Log Out</a></form></div>
    </nav>
    <div class="container" style="margin-top: 5%; text-align: center; margin-bottom: 40px;"><h4
style="margin-bottom: 20px;">View all students.</h4><hr>
        <button type="button" onclick="loadXMLDoc()">View All Students</button>
    <br><br>
    <table id="demo"></table></div>
<script>
function loadXMLDoc() {
    var xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {

```

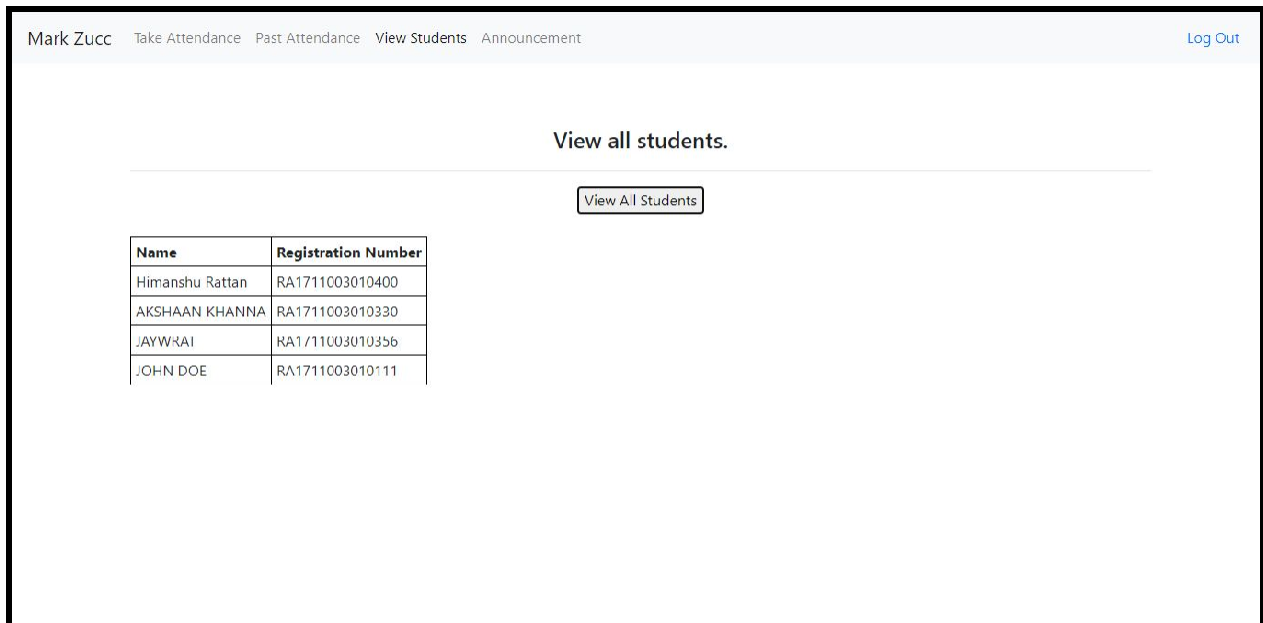
```

    if (this.readyState == 4 && this.status == 200) {
        myFunction(this);
    }
};
xmlhttp.open("GET", "students.xml", true);
xmlhttp.send();
}
function myFunction(xml) {var i;var xmlDoc = xml.responseXML;
    var table="<tr><th>Name</th><th>Registration Number</th></tr>";
    var x = xmlDoc.getElementsByTagName("STUDENT");
    for (i = 0; i <x.length; i++) {
        table += "<tr><td>" +
            x[i].getElementsByTagName("NAME")[0].childNodes[0].nodeValue +
            "</td><td>" +
            x[i].getElementsByTagName("REGNO")[0].childNodes[0].nodeValue +
            "</td></tr>";
    }
    document.getElementById("demo").innerHTML = table;
}
</script>
</body>
</html>

```

## **OUTPUT**

<viewstudents.html>



Name	Registration Number
Himanshu Rattan	RA1711C03010400
AKSHAAN KHANNA	RA1711C03010330
.AYWRAI	RA1711C0301035b
.JOHN DOE	RA1711C03010111

## **RESULT**

The experiment was successfully executed.

## EXPERIMENT 5

**DATE:** 16th September, 2020

**TITLE:** Adding PHP script for login authentication

**AIM:** Adding sign in and sign up option for teacher and faculty in the Student Attendance System

### **PROCEDURE:**

1. Create a database with attendance as the database name inside phpmyadmin.
2. Inside it, create a students table and faculty table.
3. Add respective columns to it.
4. Create a phpconfig.php file.
5. Create verify.php inside students folder and verifyfaculty.php inside faculty folder
6. Convert the HTML files to PHP extension
7. Add respective form actions.

In loginstudent.php add:

```
<form name="login" action="verify.php" method="POST">
```

In signupstudent.php add:

```
<form method="post" action="signupstudent.php">
```

In loginteacher.php add:

```
<form name="login" action="verifyfaculty.php" method="POST">
```

8. Validate the user inputs with the ones in the database and redirect faculty to takeattendance.php and students to viewattendance.php

### **CODE**

#### **Verify.php**

```
<?php
error_reporting(E_ERROR | E_PARSE);
if(session_id() == "" || !isset($_SESSION))
{session_start();}
if(!empty($_POST)){
include './phpconfig.php';
$username = mysqli_real_escape_string($mysqli, $_POST["email"]);
$password = mysqli_real_escape_string($mysqli, $_POST["pwd"]);
$flag = 'true';
$no=1;
$q1 = $mysqli->prepare('SELECT fname,lname,email,pswd,batch,branch,gender,regno from
students WHERE email=?');
```

```

$q1->bind_param('s',$username);
if(!$q1->execute()){
    echo 'Execution problem';}
$q1->bind_result($fname,$lname,$email,$supswd,$batch,$branch,$gender,$regno);
if($q1->fetch()!==NULL){
    if($email == $username && md5($password)==$supswd){
        $_SESSION['email'] = $email;
        $_SESSION['regno'] = $regno;
        $_SESSION['fname'] = $fname;
        $_SESSION['lname'] = $lname;
        $_SESSION['id'] = $id;
        header("location:studentattendance.php");}
    else {
        if($flag === 'true'){
            header("Refresh: 2; url=loginstudent.php");
            echo '<div align="center"><h2>Wrong Credentials</h2></div>';
            $flag = 'false';
        }
    }
}
else
{
    header("Refresh: 2; url=loginstudent.php");
    echo '<div align="center"><h2>Wrong Credentials</h2></div>';
}
?>

```

### Signupstudent.php

```

<?php
if(!isset($_SESSION)) {
    session_start(); }
$db=mysqli_connect("localhost","root","","attendance");
$passworderror="";
if(isset($_POST['register_btn'])){
    session_start();
    $fname=$_POST['fname'];
    $lname=$_POST['lname'];
    $regno=$_POST['regno'];
    $email=$_POST['email'];
    $password=$_POST['password'];
    $cpassword=$_POST['cpassword'];
    $batch=$_POST['batch'];
    $branch = $_POST['branch'];
    $gender = $_POST['gender'];
    if($password==$cpassword){
        //create user
    }
}

```

```

        $password=md5($password);//hash password before storing it
        $sql="INSERT INTO students(fname,lname,email,pswd,batch,branch,gender,regno)
VALUES ('$fname','$lname','$email','$password','$batch','$branch','$gender','$regno')";
        mysqli_query($db,$sql);
        $_SESSION['message']="You are now logged in";
        header("location:studentattendance.php");
    } else{
        //failed
        $passworderror = "Password don't match!";
    }
}
?>

```

### Verifyfaculty.php

```

<?php
error_reporting(E_ERROR | E_PARSE);
if(session_id() == "" || !isset($_SESSION))
{session_start();}
if(!empty($_POST)){
include '../phpconfig.php';
$username = mysqli_real_escape_string($mysqli, $_POST["email"]);
$password = mysqli_real_escape_string($mysqli, $_POST["pwd"]);
$flag = 'true';
$no=1;
$q1 = $mysqli->prepare('SELECT fname,lname,email,pswd,subject from faculty WHERE
email=?');
$q1->bind_param('s',$username);
if(!$q1->execute()){
    echo 'Execution problem';}
$q1->bind_result($fname,$lname,$email,$upswd,$subject);
if($q1->fetch()!==NULL){
    if($email == $username && md5($password)==$upswd) {
        $_SESSION['email'] = $email;
        $_SESSION['fname'] = $fname;
        $_SESSION['lname'] = $lname;
        $_SESSION['subject'] = $subject;
        header("location:takeattendance.php");
    }
    else {
        if($flag === 'true') {
            header("Refresh: 3; url=loginteacher.php");
            echo '<div align="center"><h2>Wrong Credentials</h2></div>';
            $flag = 'false'; } }
    }
else{

```


```
header("Refresh: 3; url=loginteacher.php");
echo '<div align="center"><h2>Wrong Credentials</h2></div>';
}}
?>
```

## OUTPUT

takeattendance.php

[Mark Zucc](#) [Take Attendance](#) [Past Attendance](#) [View Students](#) [Announcement](#) [Log Out](#)

### Take Attendance Here!

Select Date  

Present/Absent	Student Name	Registration Number	Batch
<input type="checkbox"/>	Jaywrat	RA1711003010356	Batch 1
<input type="checkbox"/>	Himanshu	RA1711003010400	Batch 1
<input type="checkbox"/>	Akshaan	RA1711003010330	Batch 1
<input type="checkbox"/>	shantnu	ra1711003010350	Batch CSE

Submit

## RESULT

The experiment was successfully executed.

## EXPERIMENT 6

**DATE:** 30th September, 2020

**TITLE:** Designing a dynamic web page

**AIM:** Designing a dynamic page for student attendance system

### **PROCEDURE:**

1. Create announcement.php inside the faculty folder and add it inside the faculty folder
2. Create delete.php and save\_announcement.php as well
3. Add an announcement table in the database.
4. Insert a row if the teacher posts the announcement and delete it if the teacher deletes it with the id
5. Fetch all the announcements in the viewattendance.php page for students and display them there.

### **CODE**

#### **Announcement.php**

```
<form action="save_announcement.php" method="post">
  <div class="container">
<div class="row"><div class="col" style="text-align: center;"> <div class="form-group">
  <label for="exampleFormControlTextarea1">Make an announcement</label>
  <textarea class="form-control" id="exampleFormControlTextarea1" rows="4"
name="announcement"></textarea>
  </div>

  <button type="submit" class="btn btn-primary">Submit</button> </div></div>
</div></form>
<?php while($r = mysqli_fetch_assoc($res)){ ?>
  <div class="col-lg-3 col-md-6 mb-4">
    <div class="card h-100">
      <div class="card-body" style="background-color: #F8D7DA;">
        <p><?php echo $r['announcement'] ?></p>
      </div>
      <div class="card-footer">
        <p class="buti"><a href="delete.php?id=<?php echo $r['id']; ?>" class="btn
btn-danger" role="button">Delete</a>
        </p>
      </div>
    </div>
  </div>
</div>
<?php } ?>
```

## delete.php

```
<?php
/* Attempt MySQL server connection. Assuming you are running MySQL
server with default setting (user 'root' with no password) */
$link = mysqli_connect("localhost", "root", "", "attendance");
//Check connection
if($link === false){
    die("ERROR: Could not connect. " . mysqli_connect_error());}
// Escape user inputs for security
$id = mysqli_real_escape_string($link, $_REQUEST['id']);
// Attempt insert query execution
$sql = "Delete From announcement where id='$id'";
if(mysqli_query($link, $sql)){
    echo "<h3 style='text-align:center;'>Announcement Deleted!</h3>";
    header("Refresh:2; url=announcement.php");
} else{
    echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);}
// Close connection
mysqli_close($link);
?>
```

## OUTPUT

Manage Announcements Here!

Make an announcement

Submit

Delete Announcements!

tomorrow is a holiday

Delete

model practical

Delete



Himanshu Rattan		Log Out
tomorrow is a holiday		
model practical		
Hey, you can view your Attendance here!		
Subject Name	Date	Attendance
Web Programming	2020-10-31	Present
Theory of Computation	2020-10-31	Absent
Web Programming	2020-11-06	Present

## RESULT

The experiment was successfully executed.

## EXPERIMENT 7

**DATE:** 8th October, 2020

**TITLE:** Demonstrating servlets with Student Attendance System

**AIM:** Adding servlets to the student attendance system

### **PROCEDURE:**

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

### **CODE**

**user.html**

```
<html>
<style>
div.ex {
    text-align: right width:300px;
    padding: 10px;
    border: 5px solid grey;
    margin: 0px
}
</style>
<body>
    <div class="ex">
        <form action = "main.jsp" method = "POST">
            <table style="width: 50%">
                <tr><td>Full Name</td>
                    <td><input type="text" name="stuname" /></td>
                </tr>
                <tr><td>Address</td>
                    <td><input type="text" name="address" /></td>
                </tr>
                <tr><td>Age</td><td><input type="text" name="age" /></td>
                </tr>
                <tr><td>Qualification</td><td><input type="text" name="qual"
            /></td></tr>
            <tr>
```

```
 Percentage | | Year Passed |  | |
```

### index.html

```

<html>
<head>
    <title>Hello World</title>
</head>
<body>
<!-- Hello from HTML page -->
<form action="MyServlet">
    <input type="submit" value="Click here to go to Servlet"/>
</form>
</body>
</html>

```

### Main.jsp

```

<html>
<head>
    <title>Using GET and POST Method to Read Form Data</title>
</head> <body>
    <center>
        <h1>Using POST Method to Read Form Data</h1>
<p><b>Full Name:</b>
    <%= request.getParameter("stuname")%>
</p>
<p><b>Address:</b>
    <%= request.getParameter("address")%>
</p>
<p><b>Age:</b>
    <%= request.getParameter("age")%>
</p>
<p><b>Qualification:</b>
    <%= request.getParameter("qual")%>
</p>

```

```

        <p><b>Percent:</b>
        <%= request.getParameter("percent")%>
    </p>
    <p><b>Year of Passing:</b>
        <%= request.getParameter("yop")%>
    </p>
</body>
</html>

```

### Userregistration.java

```

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class UserRegistration extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String name = request.getParameter("fullname");
        String Addr = request.getParameter("address");
        String age = request.getParameter("age");
        String Qual = request.getParameter("qual");
        String Persent = request.getParameter("percent");
        String Year = request.getParameter("yop");

        if(name.isEmpty()||Addr.isEmpty()||age.isEmpty()||Qual.isEmpty()||Persent.isEmpty()
        || Year.isEmpty()){
            RequestDispatcher rd =
            request.getRequestDispatcher("registration.jsp");
            out.println("<font color=red>Please fill all the fields</font>");
            rd.include(request, response);}
        else{
            RequestDispatcher rd = request.getRequestDispatcher("home.jsp");
            rd.forward(request, response);}}}

```

### RESULT

The experiment was successfully executed.

## EXPERIMENT 8

**DATE:** 15th October, 2020

**TITLE:** Simple applications using JSP and AJAX

**AIM:** Adding JSP and AJAX to the student attendance system

### **PROCEDURE:**

1. Add mysqlconnector.jar to the lib folder inside WEB-INF
2. Create connect.jsp and index.html files in the root directory of the project.
3. Create myServlet.java inside the classes folder.
4. Compile this file.

### **CODE**

#### **Index.html**

```
<html><head><title>
    JDBC
</title></head>
<body style="background-color: #8481B6;"><div class="container h-100"><div class="row
align-items-center h-100">
    <div class="col-6 mx-auto">
        <div class="card" style="padding:40px;border-radius: 10px;box-shadow: 0 4px 8px 0
rgba(0,0,0,0.2);"><div style="text-align:center">
            <h4>Sign Up</h4>
            </div><form action = "connect.jsp" method = "POST"><div class="row"
style="margin-top: 20px;"><div class="col">
                <input type="text" class="form-control" placeholder="Name" name="name"
required>
            </div></div><div class="row" style="margin-top: 20px;">
                <div class="col">
                    <input type="text" class="form-control" placeholder="Address"
name="address" required>
                </div></div> <div class="row" style="margin-top: 20px;"><div class="col">
                    <input type="number" class="form-control" placeholder="Age" name="age"
required></div></div>
                <div class="row" style="margin-top: 20px;"><div class="col">
                    <input type="text" class="form-control" placeholder="Qualification"
name="qual" required></div>
                </div>
                <div class="row" style="margin-top: 20px;"> <div class="col"><input type="text"
class="form-control" placeholder="Percentage" name="percent" required>
                </div>
```

```

                <div class="col"> <input type="text" class="form-control" placeholder="Year of
Passing" name="yop" required>
                </div> </div><button type="submit" class="btn btn-primary"
name="register_btn" style="margin-top: 20px;">Sign Up</button>
                </form> </div> </div> </div> </div>
</body>
</html>

```

### Connect.jsp

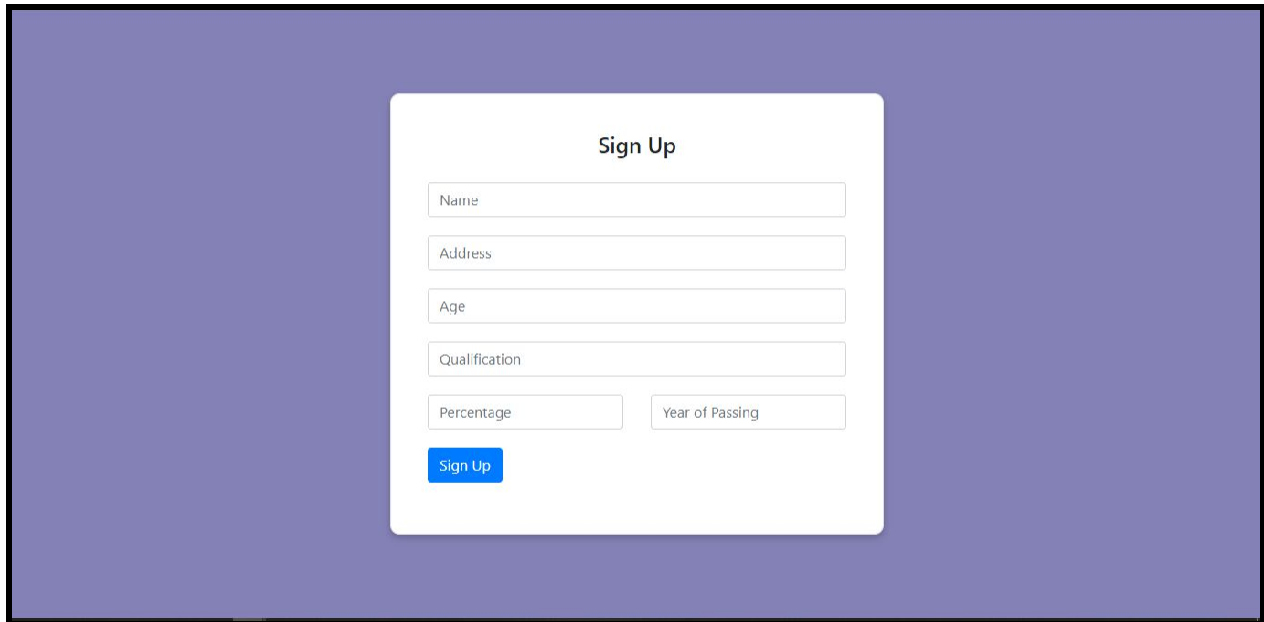
```

<%@ page import = "java.sql.*"%>
<%
String name=request.getParameter("name");
String address=request.getParameter("address");
String age=request.getParameter("age");
String qual=request.getParameter("qual");
String percent=request.getParameter("percent");
String yop=request.getParameter("yop");

try{
    Class.forName("com.mysql.jdbc.Driver");
    Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","");
    PreparedStatement ps =conn.prepareStatement("insert into
registration(name,address,age, qual,percent,yop) values(?,?,?,?,?,?);");
    ps.setString(1,name);
    ps.setString(2,address);
    ps.setString(3,age);
    ps.setString(4,qual);
    ps.setString(5,percent);
    ps.setString(6,yop);
    int x =ps.executeUpdate();
    if(x>0){
        out.println("Registration done successfully");}
    else{
        out.println("Registration failed");
    }
}
catch(Exception e)
{
    out.println(e);
}
%>

```

## OUTPUT



Sign Up

Name

Address

Age

Qualification

Percentage

Year of Passing

Sign Up

## RESULT

The experiment was successfully executed.

## EXPERIMENT 9

**DATE:** 22nd October, 2020

**TITLE:** Web Page in PHP

**AIM:** Adding more PHP functionality to the student attendance system

### **PROCEDURE:**

1. Create takeattendance.php
2. Fetch the students in takeattendance.php
3. Create submitattendance.php
4. Create attn table in the database
5. After selecting the date and submitting, the teacher should be able to submit attendance for the students which can be viewed in the student account later.

### **CODE**

#### **Takeattendance.php**

```
<form action="submitattendance.php" name="attendance" method="post">

<div class="container" style="margin-top: 5%; text-align: center; margin-bottom: 40px;">
  <h4 style="margin-bottom: 20px;">Take Attendance Here!</h4>
  <div class="form-group">
    <label for="exampleFormControlSelect1">Select Date</label>
    <input type="date" id="date" name="date" class="date">
  </div> <hr>
</div>
<?php
  $sql = "SELECT * FROM students";
  $res = mysqli_query($mysqli, $sql);
  ?>
<table class="table table-striped" style="text-align: center;">
  <thead>
    <tr><th scope="col">Present/Absent</th> <th scope="col">Student Name</th>
    <th scope="col">Registration Number</th><th scope="col">Batch</th>
  </tr>
  </thead> <tbody>
    <?php while($r = mysqli_fetch_assoc($res)){ ?>
      <tr>
        <td scope="row">
          <?php
            echo '<input type="checkbox" class="form-check-input lol" name="lol[]"
value="" . $r['regno'] . ">';
```



```

        ?>
        </td><td><?php echo $r['fname'] ?></td>
        <td><?php echo $r['regno'] ?></td>
        <td>Batch <?php echo $r['batch'] ?></td>
    </tr>
<?php } ?>
</tbody>
</table>
<div class="container">
    <div class="row">
        <div class="col" style="text-align: center;">
            <input type="submit" value="Submit" name="submit"></div>
        </div>
    </div>
</form>

```

### submitattendance.php

```

<?php
$link = mysqli_connect("localhost", "root", "", "attendance");
if(session_id() == "" || !isset($_SESSION)){session_start();}
if($link === false){
    die("ERROR: Could not connect. " . mysqli_connect_error());
}

$date = $_POST["date"];
echo "<h3 style='text-align:center;'>". $date . "</h3>";
if(!empty($_POST['lol'])) {
    foreach($_POST['lol'] as $value){
        echo "value : ".$value."<br/>";
    }
}

$present="Present";
$absent="Absent";
// $subject="Web Programming";
$subject=$_SESSION['subject'];
$sql = "SELECT * FROM students";
$res = mysqli_query($link, $sql);
while($r = mysqli_fetch_assoc($res)) {
    if (in_array($r['regno'], $_POST['lol'])){
        $haha=$r['regno'];
        $lul=$r['fname'];
        echo $haha;
        echo $date;
    }
}

```

```

        echo $present;
        echo"<br>";
        $sql1="INSERT INTO attdn(student_id,name,class_date,status,subject)
VALUES ('$haha','$lul','$date','$present','$subject')";
        mysqli_query($link,$sql1);
    }else {
        $haha=$r['regno'];
        $lul=$r['fname'];
        echo $haha;
        echo $date;
        echo $absent;
        echo"<br>";
        $sql2="INSERT INTO attdn(student_id,name,class_date,status,subject) VALUES
('$haha','$lul','$date','$absent','$subject')";
        mysqli_query($link,$sql2);
    }
}
header("location:viewattendance.php");
mysqli_close($link);
?>

```

## OUTPUT

Himanshu Rattan
Take Attendance
Post Attendance
View Students
Announcement
Log Out

Take Attendance Here!

Select Date
dd-mm-yyyy

Present/Absent	Student Name	Registration Number	Batch
<input type="checkbox"/>	Jayvrat	RA1711003010356	Batch 1
<input type="checkbox"/>	Himanshu	RA1711003010400	Batch 1
<input type="checkbox"/>	Akshaan	RA1711003010330	Batch 1
<input type="checkbox"/>	shanthu	ra1711003010350	Batch CSE

Submit

## RESULT

The experiment was successfully executed.

## EXPERIMENT 10

**DATE:** 31st October, 2020

**TITLE:** Application for Web Services

**AIM:** Adding web services to the student attendance system

### **PROCEDURE:**

There are created 4 files for hello world JAX-WS example:

1. HelloWorld.java
2. HelloWorldImpl.java
3. Publisher.java
4. HelloWorldClient.java

The first 3 files are created for server side and 1 application for client side.

### **CODE**

#### **HelloWorld.java**

```
package com.javatpoint;
import javax.xml.ws.WebMethod;
import javax.xml.ws.WebService;
import javax.xml.ws.soap.SOAPBinding;
import javax.xml.ws.soap.SOAPBinding.Style;
//Service Endpoint Interface
@WebService
@SOAPBinding(style = Style.RPC)
public interface HelloWorld{
    @WebMethod String getHelloWorldAsString(String name);
}
```

#### **HelloWorldImpl.java**

```
package com.javatpoint;
import javax.xml.ws.WebService;
//Service Implementation
@WebService(endpointInterface = "com.javatpoint.HelloWorld")
public class HelloWorldImpl implements HelloWorld{
    @Override
    public String getHelloWorldAsString(String name) {
        return "Hello World JAX-WS " + name;
    }
}
```

#### **Publisher.java**

```
package com.javatpoint;
```

```

import javax.xml.ws.Endpoint;
//Endpoint publisher
public class HelloWorldPublisher{
    public static void main(String[] args) {
        Endpoint.publish("http://localhost:7779/ws/hello", new HelloWorldImpl());
    }
}

```

View generated WSDL:

After running the publisher code, you can see the generated WSDL file by visiting the URL:

<http://localhost:7779/ws/hello?wsdl>

### JAX-WS Client Code

#### HelloWorldClient.java

```

package com.javatpoint;
import java.net.URL;
import javax.xml.namespace.QName;
import javax.xml.ws.Service;
public class HelloWorldClient{
    public static void main(String[] args) throws Exception {
        URL url = new URL("http://localhost:7779/ws/hello?wsdl");

        //1st argument service URI, refer to wsdl document above
        //2nd argument is service name, refer to wsdl document above
        QName qname = new QName("http://javatpoint.com/",
"HelloWorldImplService");
        Service service = Service.create(url, qname);
        HelloWorld hello = service.getPort(HelloWorld.class);
        System.out.println(hello.getHelloWorldAsString("javatpoint rpc"));
    }
}

```

### OUTPUT

Hello World JAX-WS Himanshu

### RESULT

The experiment was successfully executed.