# Ap Lab File

# Experiment-1: Creating an HTML webpage forms.

```
<!doctype html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Html Forms</title>
6 </head>
   <body bgcolor="yellow">
     <font align="center"><h1>Job Registratiion
10
11
     </h1></font>
12 <form align="center">
14 <h3 style="color:#F00">Personal Details</h3>
17 Password:
18 <input type="password" id="password"><br><br>
20 E-mail id: <input type="text" id="name"><br><br><br>
21 Gender: <input type="radio" name="r1" value="radio" id="radiogroup1"> Male
22 <input type="radio" name="r1" value="radio" id="radiogroup2"> Female<br><br>
23 Contact: <input type="text" name="mobile" id="mobile">
24
25
   <h3 style="color:#F00">Educational Qualification</h3>
26
27 Degree: <select id="degree">
           <option selected>Select Degree </option>
28
           <option>B.TECH</option>
           <option>B.A</option>
           <option>B.com Computers
           <option>B.sc</option>
         </select><br>>
         <br>
35 Branch: <select id="eng">
36
           <option selected>Select Branch
           <option>CSE</option>
```

Job Application			
Personal Details			
Name:			
Password:			
E-mail id:			
Gender: O Male O Female			
Contact:			
Educational Qualification			
Degree: Select Degree V			
Branch: Select Branch ✓			
Hobbies: ☐ Playing chess ☐ Reading Books			
Address			
enter your address			
Attach Resume: Choose File No file chosen			
SUBMIT: register Clear: Reset			
©Ayush Sahu cse			

# Experiment-2: Creating Home Page using HTML.

### HTML Code:

```
∢▶
                    web3.html
    <!DOCTYPE html>
    <head>
    <title>transparent navigation bar</title>
   k rel="stylesheet" type="text/css" href="style2.css">
    </head>
    <div id="main">
    <div class="head">
    <img class="iiit" src="iiit.png">
   </div>
   <img class="logo" src="ayush-logo.png" width="200" height="80">
    <a href="#">Home</a>
   <a href="#">Gallery</a>
   <a href="#">Postfolio</a>
   <a href="#">Academics</a>
    <a href="#">Examinations</a>
    <a href="#">Placements</a>
    </nav>
    >
    <div class="inner1">
    <center><h1 >Ayush Sahu</h1></center>
    <center><h2>Cse</h2></center>
   <center><h2>11911058</h2></center>
    </div>
   </div>
    <div class="inner3">
    <h1 align="center">Assignment 1</h1>
    Submitted TO:
   <h3 align="center">MR Md Arquam<h3>
    </div>
    </div>
    </body>
    </html>
```

# CSS Code:

```
∢▶
       style2.css
      *{
          margin:0;
          padding:0;
          font-family:verdana;
      #main{
          width:100%;
          height:100vh;
          background-image:url("s1.jpg");
          background-size:cover;
      .head{
          width:100%;
          height:30%;
      .iiit{
          width:100%;
          height:100%;
          width:100%;
          height:80px;
          background-color:#0009;
          line-height:80px;
          float:right;
          margin-right:100px;
          list-style-type:none;
          display:inline-block;
          transition:0.8s all;
                   text-decoration:none;
                   color:#fff;
                   padding:30px;
      nav ul li:hover{
          background-color:orange;
      .inner1{
          width:400px;
          height:450px;
```

```
◆
       style2.css
          width:400px;
          height:450px;
          background-color:#0009;
      .inner2{
          width:740px;
          height:450px;
          background-image:url("iiit2.jpg");
          background-size:cover;
      .inner3{
          background-color:#0009;
          width: 400px;
          height:450px;
          color:red;
          font-family:sans serif;
          font-style:italic;
          font-size:60px;
          text-shadow:3px 3px 3px white;
          color:black;
          font-family:sans serif;
          font-style:italic;
          font-size:60px;
          text-shadow:3px 3px 3px white;
      P{
          color:blue;
          font-family:sans serif;
          font-style:italic;
          font-size:40px;
          text-shadow:3px 3px 3px white;
          color:yellow;
          font-family:sans serif;
          font-style:italic;
          font-size:70px;
          text-shadow:3px 3px 3px white;
```



Experiment-3: Creating XHTML and CSS and understanding its use in creating web pages.

**XHTML Code:** 

```
index.html
</head>
<body>
<div class="ab">
 <h1>Create Your Account</h1></div>
<input type="text" placeholder="Enter your Lastname here">

  <div>
    <label class="abc"><b>E-mail:</b></label>
<label class="abc"><b>Gender:</b></label>
<input type="radio" name="ab" value="male">Male
<input type="radio" name="ab" value="female">Female
<input type="radio" name="ab" value="others">Others
 <label class="abc"><b>Mobile No:</b></label><br>
 <option>+1</option>
<option>+355</option>
       <option>+2</option>

    <input type="text" placeholder="Enter your Mobile number ">

    </div>
    <br>
    <br>
    </dr>
```

```
  <input type="submit" value="Register">
  <input type="reset" value="Clear">

  </form>
  <marquee><b style="font-size:100px">&copy;Ayush Sahu</div>
             ee><b style="font-size:100px">&copy;Ayush Sahu cse</b></marquee>
```

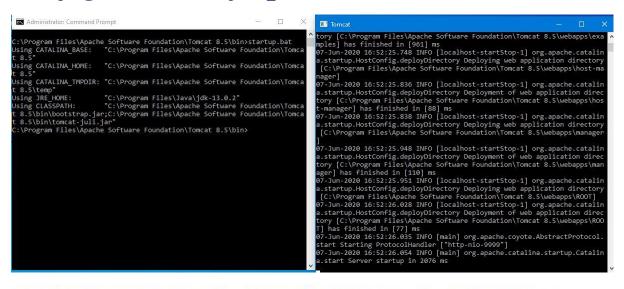
# CSS Code:

```
× AP.css
 1 ▼ .dv{height: 500px;
       width: 1000px;
      background-color:Lightgrey;
      border-radius:10px;
box-shadow: 10px 10px;
         margin: 0px 300px 300px 300px;}
.abc{margin-left: 60px;}
    input[type=email]{width:50%;
           margin-left: 60px;
    body{background-color:yellow;
11
    overflow: hidden;
12
13
14 ▼ .ab{text-align: center;
15
     font-size: 40px;
      color: red;
17
        text-shadow: 5px 5px 5px black;
18
      padding: 2px;
19
   margin: auto;}
```

# **Create Your Account**

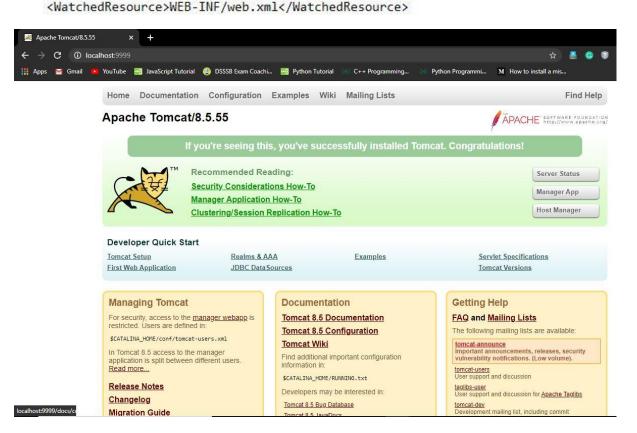
	First Name Enter your Firstname here Last Name Enter your Lastname here	
E-mail:		
Enter your email here		
Gender: ○Male ○Fema  Mobile No:  Select ▼	le Others  Enter your Mobile number	
Register	par	
	©Ayush Sahu	cse

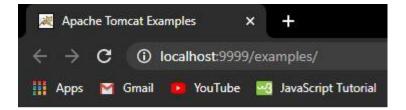
# Experiment-4: Setting up and configuration of apache Tomcat server.



<!-- The contents of this file will be loaded for each web application --> <Context reloadable="true">

<!-- Default set of monitored resources. If one of these changes, the --> <!-- web application will be reloaded. -->

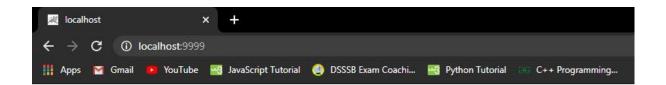




# **Apache Tomcat Examples**

- Servlets examples
- JSP Examples
- WebSocket Examples

```
<!-- A "Connector" represents an endpoint by which requests are received
     and responses are returned. Documentation at :
     Java HTTP Connector: /docs/config/http.html
     Java AJP Connector: /docs/config/ajp.html
    APR (HTTP/AJP) Connector: /docs/apr.html
    Define a non-SSL/TLS HTTP/1.1 Connector on port 9999
<Connector port="9999" protocol="HTTP/1.1"</pre>
           connectionTimeout="20000"
           redirectPort="8443" />
<!-- A "Connector" using the shared thread pool-->
<!--
<Connector executor="tomcatThreadPool"</pre>
           port="9999" protocol="HTTP/1.1"
           connectionTimeout="20000"
           redirectPort="8443" />
-->
```





#### This site can't be reached

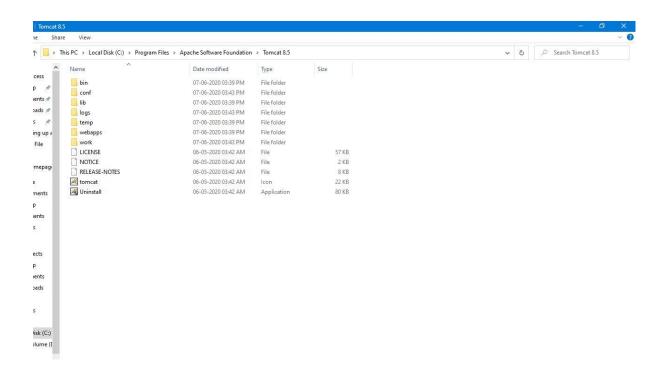
localhost refused to connect.

#### Try:

- · Checking the connection
- · Checking the proxy and the firewall

ERR\_CONNECTION\_REFUSED

Reload



# Experiment-5: Understanding modification of Web XML.

The web.xml Deployment Descriptor file describes how to deploy a web application in a servlet container such as Tomcat.

This file is required for every application you deploy on Tomcat. You will find one in the jsp-examples, servlet-examples and ROOT applications provided on a new Tomcat website, and every web application example you download, including inside WAR files.

The location of the file is always the same: application root/WEB-INF/web.xml

At minimum, the file needs to contain an XML descriptor and an opening and closing <web-app> tag.

Open the configuration file "web.xml". We shall enable the directory listing by changing "listings" from

"false" to "true" for the "default" servlet.

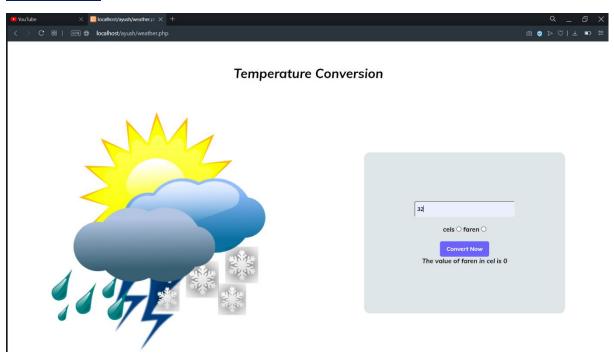
<param-value>true</param-value> like:

# Experiment-6: Creating Websites using PHP.

### Code:

```
weather.php
    <!DOCTYPE html>
    <html>
         <title></title>
                 margin: 0; padding: 0; box-sizing: border-box;
    font-family: 'Muli', sans-serif;
10
             h1{text-align: center; line-height: 20vh;}
11
             .main-div{
                 width: 100%;
12
                 height: 80vh;
13
                 display: flex;
                 justify-content: space-around;
15
                 align-items: center;
16
             .left-side{
18
19
             .left-side img{
20
21
                 max-width: 600px;
                 height: auto;
22
23
24
             .right-side{
                 width:500px;
                 height: 400px;
26
                 background-color: #dfe6e9;
28
                 border-radius: 15px;
29
                 display: flex;
                 flex-direction: column;
30
                 justify-content: center;
                 align-items: center;
32
                 text-align: center;
             .input1{
36
                 width: 250px;
```

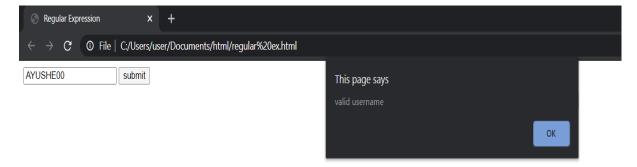
```
weather.php
                 width: 250px;
                 height: 40px;;
                 padding: 5px;
40
                 outline: none;
                 border-radius: 1px solid grey;
                 border-radius: 5px;
             .selection{
44
                 width: 100%;
                 margin: 20px 0;
             .btn{
48
                 padding: 10px 16px;
50
                 border-radius: 5px;
                 outline: none;
                 border:none;
                 background-color: #6c63ff;
                 color: white;
                font-size: 0.9rem;
            p{
                 margin-top: 20px 0 0 0;
59
            }
60
         </style>
62
         k href="https://fonts.googleapis.com/css2?family=
        Anton&family=Muli:ital,wght@1,700&display=swap" rel="stylesheet">
    </head>
         <header>
             <h1>Temperature Conversion</h1>
68
             <div class="main-div">
                 <div class="left-side">
                     <img src="../weatherimages/weather.png">
                 </div>
                 <div class="right-side">
                     <form method="</pre>
```

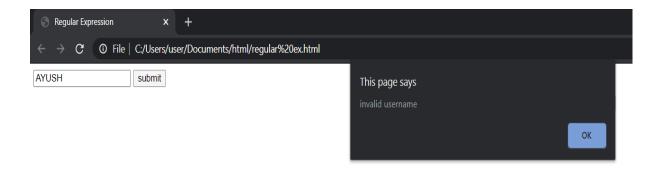


# Experiment-7: Understanding JavaScript.

## Code:

```
1.html
khtml>
    <title>Regular Expression</title>
        function valid()
             var username=document.getElementById("uname").value;
             var reg=/E00/;
             if(reg.test(username))
                 alert("valid username");
             }
             {
                 alert("invalid username");
    </script>
<form action="massage.html">
    <input type="text" id="uname" placeholder="username"/>
    <button onclick="valid()" type="button">submit</button>
</form>
</body>
```





# Code:

```
2.html
    <html>
    <head>
    <script src="2.js">
    </script>
    </head>
    <body>
10
    Ayush Sahu
    <button onclick="display();">click</button>
11
12
13
14
    </body>
15
    </html>
16
```

```
untitled x 2.js x

function display()

document.getElementById("demo").innerHTML = "IIIT Student";

document.getElementById("demo").innerHTML = "IIIT Student";

document.getElementById("demo").innerHTML = "IIIT Student";
```

# **OUTPUT:**

ш

Ayush Sahu

click

### Code:

```
3.html
    khtml>
    function display()
    window.alert(my(3,4));
    function my(a,b)
    return a*b;
11
    </script>
12
13
    </head>
14
15
    >3*4=
    <button onclick="display();">click</button>
17
    </body>
    </html>
18
```

# **OUTPUT:**



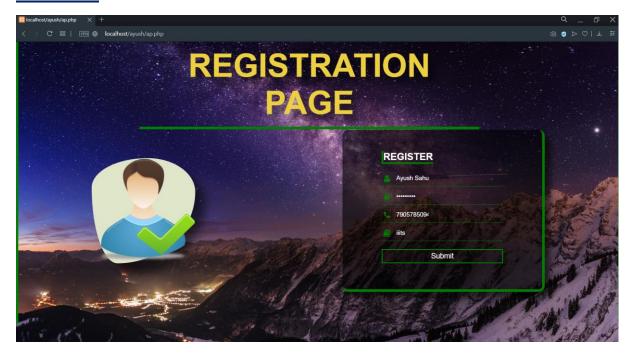
Experiment-8: Creating a Web page with back end in PHP and front end in

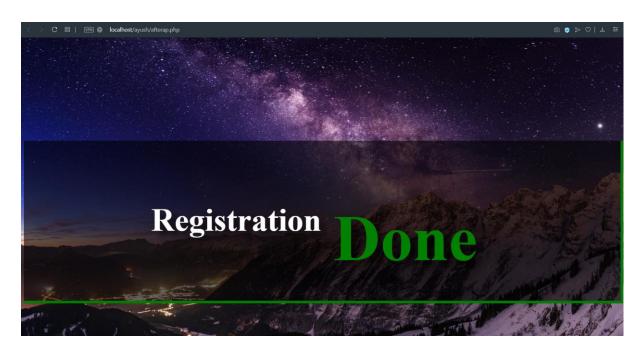
# JavaScript and hosting it on Apache Tomcat Server.

### Code:

```
× ap.php
1 k!DOCTYPE html>
2 <html>
3 < head>
                   ort "https://maxcdn.bootstrapcdn.com/font-awesome/4.6.3/css/font-awesome.min.css";
                   margin: 0; padding: 0; box-sizing: border-box;
8 ▼ font-family: 'Muli', sans-serif;
              .background{
                  background-image: url("s1.jpg");
                   background-size: cover;
                   border-left: 6px solid green;
border-right: 6px solid green;
                   padding-left: 300px;
                   height: 60px;
width: 850px;
                   text-shadow: 15px 15px 15px #0009;
                   justify-content: space-around;
                     font-size: 80px;
border-bottom: 6px solid green;
border-bottom:6px solid green;
                margin-bottom:50px;
                padding:13px 0;
                 .main-div{
                  padding-top: 80px;
                   width: 100%;
                   height: 80vh;
                   display: flex;
```

```
s colorchangeayush{
    0%{color:red;}
25%{color:#bf55ec;}
50%{color:yellow;}
    75%{color:green;}
100%{color:#bf55ec;}
         content="width=device-width, initial-scale=1.0">
<div class="rightside animated bounceInLeft">
          <form method="POST">
<div class="reg">
           <h2>REGISTER</h2>
</div
<div class="textbox">
<i class="fa fa lock" aria-hidden="true"></i>
<input type="password" placeholder="Password" id="t2" name="password" value="" required/>
</div>
<div class="textbox">
<i class="fa fa-phone" aria-hidden="true"></i>
  <input type="text" placeholder="Mobile no" name="mobile" required/>
</div>
<input class="btn" type="submit" name="submit" required/>
<?php
 include'connectionap.php';
if(isset($_POST['submit']))
    $name=$_POST['username'];
$password $_POST['password'];
$mobile=$_POST['mobile'];
$college=$_POST['college'];
    $insertquery="insert into registration(Name,Password,Mobile,College)values('$name','$password','$mobile','$college')";
$res=mysqli_query($con,$insertquery);
    if($res)
```

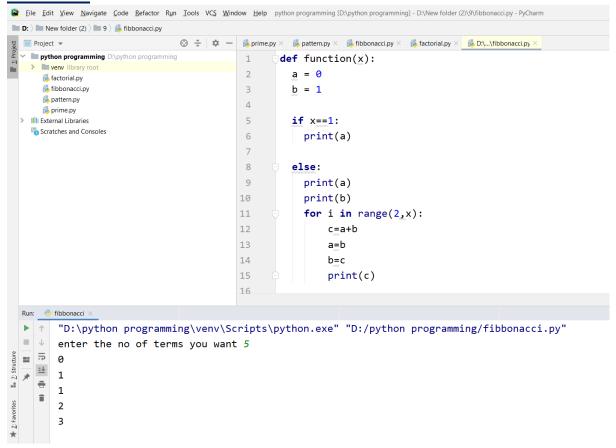




# Experiment-9: Writing and understanding program in python.

# Code:

```
| Fig. 168 | Yew | Navigate Code | Befactor Run | Isola VCS | Window | Help | Ribbonaccipy | Duap lab RelayMibbonaccipy | PyCharm | Add Configuration... | Navigation | Naviga
```



Experiment-10: Use python Libraries like Math's statistics to create programs for scientific calculations.

Code:

```
💈 fibbonacci.py × 🚜 plot.py ×
       print("This is a program to plot a graph between axes:-")
 1
 2
       import matplotlib.pyplot as plt
       k = int(input("Enter the number of elements:"))
 3
 4
       print("Enter the elements to be plotted on the x-axis:")
 5
       x=[]
       print("Please select the type of input:")
 6
       print("0 for integer value")
 7
 8
       print("1 for strings")
 9
       print("2 for float value")
10
       choice1 = int(input())
11
       if choice1==0:
12
          for i in range(0,k):
13
               element= int(input())
14
               x.append(element)
15
       elif choice1==1:
               for i in range(0,k):
16
17
                    element= input()
18
                    x.append(element)
19
       elif choice1==2:
20
                   for i in range(0,k):
21
                       element= float(input())
22
                       x.append(element)
23
       else :
iii fibbonacci.py × ii plot.py ×
23
       else :
24
          print("Invalid Choice")
25
       print("Enter the elements to be plotted on the y-axis:")
26
27
       print("Please select the type of input:")
28
       print("0 for integer value")
       print("1 for strings")
29
30
       print("2 for float value")
31
       choice2 = int(input())
32
       if choice2==0:
           for i in range(0,k):
33
               ele= int(input())
34
35
               y.append(ele)
36
       elif choice2==1:
37
                   for i in range(0,k):
38
                         ele= input()
39
                        y.append(ele)
40
       elif choice2==2:
41
                    for i in range(0,k):
42
                               ele= float(input())
43
                               y.append(ele)
44
       else :
45
         print("Invalid Choice")
46
       plt.plot(x,y)
47
       n=input("X label:")
       m=input("Y label:")
48
49
       g=input("Graph Title:")
50
       plt.xlabel(n)
51
       plt.ylabel(m)
52
       plt.title(g)
53
       plt.show()
```

