

# APPLICATION PROGRAMMING LAB FILE

BRANCH:-Information Technology

ROLL NUMBER :- 11912012

SUBMITTED BY -: Dipanshu garg

SESSION 2019-20(SEMESTER 2)

## **Experiment 1** - Creating an HTML Web Pages forms

### **HTML File**

```
| Skidoctype html>
| Chead>
|
```

## **CSS File**

```
.agreement {
    text-transform: none;
.name>input::placeholder,
.surname>input::placeholder,
.position>input::placeholder,
.mail>input::placeholder {
   text-transform: uppercase;
.name>input,
.surname>input,
.position>input,
.mail>input {
   display: block;
height: 40px;
   line-height: 40px;
    width: 70%;
    margin: 10px auto;
.agreement+input {
    display: block;
    margin: 0 auto;
    width: 60%;
    padding: 10px 30px;
    font-size: 16px;
    font-weight: bold;
    text-transform: uppercase;
   letter-spacing: 2px;
    border-radius: 5px;
   border: none;
   box-shadow: none;
   background-color: rgb(19, 141, 211);
   color: white;
   cursor: pointer;
    transition: .3s;
}
.agreement+input:hover {
    background-color: rgb(19, 114, 160);
```

#### stylei ndex - N otepad

#### File Edi t Format Vi ew Hel p

```
margin: 0;
padd1ng: 0;
    box-sizing: border-box;
body {
    background-color: rgb(19, 141, 211);
.wrapper {
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
form {
    pa d d1 n g: 35 px;
    text-transform: uppercase;
    font-family: Arial, Helvetica, sans-serif; background-color: white;
    border-radius: 20px;
    color: #999;
    text-transform: uppercase;
    font-size: 22px;
    margin-bottom: 30px;
   text-align: center; color: #444;
.name,
.surname,
.position,
.agreement,
.mail {
   display: block;
width: 100%;
margin: 10px auto;
```

```
stylesend - Notepad
File Edit Format View Help
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body {
    background-color: rgb(19, 141, 211);
.form {
    position: absolute;
    top: 50%;
left: 50%;
    width: 500px;
padding: 30px;
    transform: translate(-50%, -50%);
    font-family: Arial, Helvetica, sans-serif; background-color: white;
    border-radius: 20px;
    color: #444;
}
margin-bottom: 30px;
    text-align: center;
}
р {
    margin-bottom: 10px;
```



## **Experiment 2 - Creating Home Page Using HTML**

## **HTML Files**

```
4 h1 {
                                                                                   text-shadow: 2px 2px 5px purple;
                    6 }
                  7 -</style>
8 -</head>
            12 <h1>Mr. Md. Arquam</h1>
13 </body>
14 </html>
                               e<style>
7 |
8 |
9 | body (
10 | background-inage: url("ing.jpg");
11 | background-inage: url("ing.jpg");
12 | background-ine: cover;
13 |
14 | 
15 |
16 | cover;
16 | cover;
17 | coverter="data" |
18 | coverter="data" |
19 | coverter="data" |
10 | coverter="data" |
10 | coverter="data" |
10 | coverter="data" |
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14 | coverter="data" |
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17 | coverter="data" |
18 | coverter="data" |
19 | coverter="data" |
10 | coverter
```

```
| Control | Cont
```





# **Experiment 3** - Creating XHTML and CSS and Understanding its use in creating web Pages

### **HTML Files**

```
AP - Notepad
File Edit Format View Help
.dv{ background-color:Lightgrey;
    margin: 0px 300px 300px;}
    .abc{margin-left: 60px;}
input[type=email]{width:50%;
    margin-left: 60px;
}
body{background-color:blue}
.ab{text-align: center;
    text-shadow: 5px;
    padding: 2px;
margin: auto;}
```

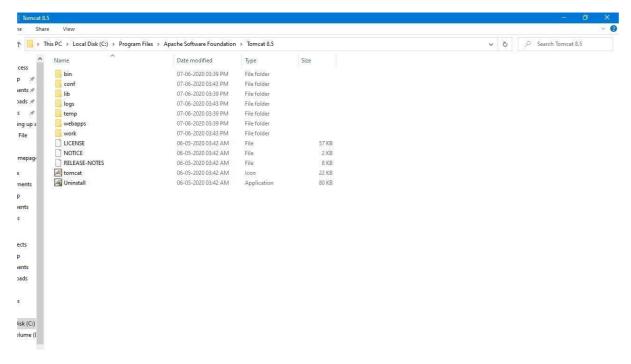
```
📓 C:\Users\anujs\OneDrive\Desktop\New\3). Creating XHTML and CSS and understanding its use in creating web pages\AP.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
🛢 index.html 🗷 🖶 body.html 🗴 📑 navigation.html 🗵 🚍 header.html 🗷 🚍 footer.html 🗷 🚍 footer.html 🗷 🚍 nsfg.py 🗷 🚍 Output.html 🗷 🚍 6.html 🗷 🚍 1.html 🗵 🚍 4.html 🗷 🚍 5.html 🗷
  1 P<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
2 L"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
3 P<html lang="en" dir="ltr">
        <head>
          <title>Registration Form</title>
           k rel="stylesheet" href="AP.css">
         </head>
     -<h1>Create Your Account</h1></div>
            <div>
              <div class="dv">
  16
17
18
19
          <input type="text" placeholder="Enter your Firstname here">
</h>
<label for="">Last Name</label>
<input type="text" placeholder="Enter your Lastname here">
</h>
</h>
 <label class="abc"><b>E-mail:</b></label>
<br/><br/>
       <input type="email" placeholder="Enter your email here">
       <label class="abc"><b>Gender:</b></label>
```



## **Experiment 4** - Setting up and configuration of Apache Tomcat Server

```
File Edit Format View Help

<param-name>debug</param-name>
<param-value>0</param-value>
</init-param>
<init-param>
<param-name>listings</param-name>
<param-value>true</param-value>
</init-param>
<param-value>true</param-value>
</init-param>
</odd-on-startup>1</load-on-startup>
</servlet>
```



Ap ps

'\ouTube

# Ei

#### This site can't be reached

localhost refuse d t con neck.

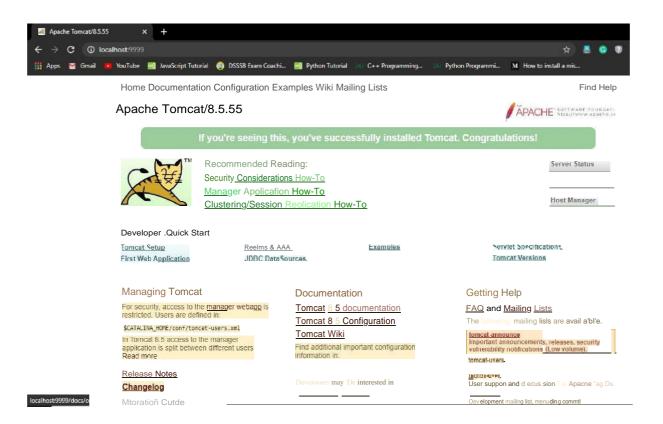
- · Checking the connection
- · Checking the proxy and the firewall

Reload

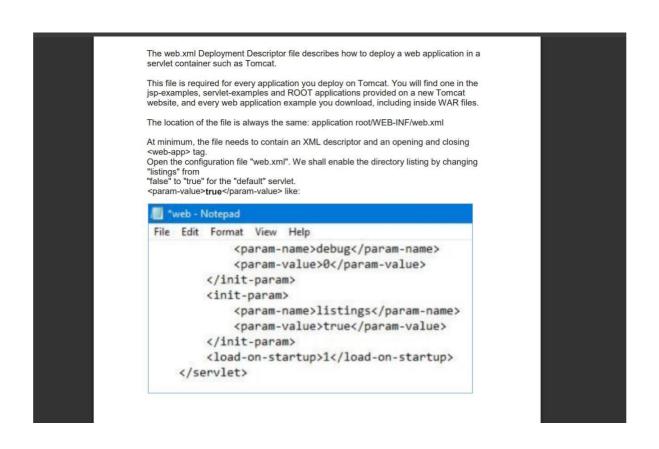


#### **Apache Tomcat Examples**

- Sm lets examples
- JSP Examples
- Veb5ocket Examples



## **Experiment 5** - Understanding modification of Web.XML



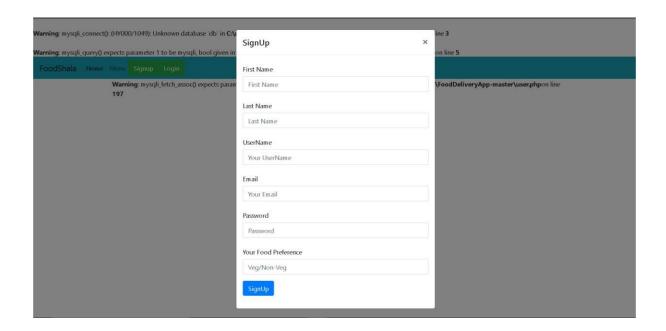
## **Experiment 6** - Creating Web Sites Using PHP

## **PHP Files**

```
| Comparison | Com
```

Order Food

Manage Your Restaurant



# **Experiment 7** - Understanding JavaScript

Java Script File



**Experiment 8** - Creating a Web Page with back end in PHP and Front end in JavaScript and hosting it on Apache Tomcat Server

## PHP File

```
clabel for="sem">cspan class="mand">*c/span>Semester: </label>
clabel for="sem">cspan class="mand">*c/span>Semester: </label>
clabel for="contacl">cspan class="mand">*c/span>Semester: </label>
clabel for="sem">cspan class="mand">*cspan>semester: </label>
clabel for="sem">contacl f">cspan>semester: </label>
clabel for="sem">contacl f">cspan>semester: </label>
clabel for="sem">contacl f">cspan>semester: </label>
clabel for="sem">contacl fumb ec: </label>
clabel for="sem">contacl fumb for fimb for fi
```

onmouseout="offconf();"><br>

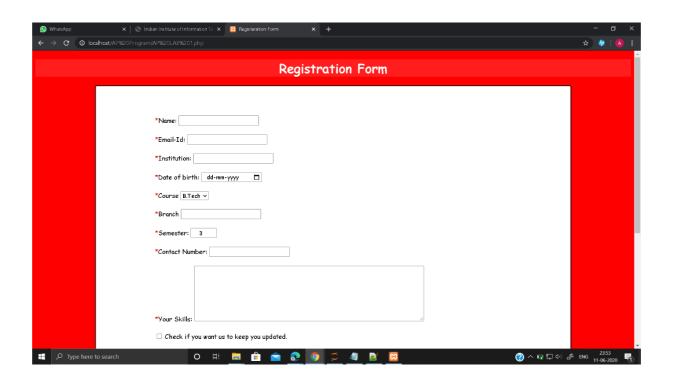
clabel for="institution">\span class="mand">\styleapar>Institution: </label>
cinput type="text" id="institution" name="institution" required>\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{br}}\text{\text{

<label for="dob"><span class="mand">\*</span>Date of birth:
cinput type="date" id="dob" name="dob" required><br><br>

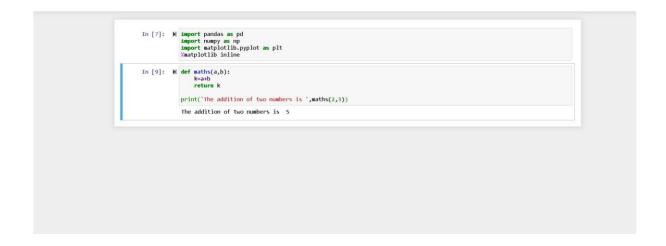
clabel for="course"xspan class="mand">\*</span>Course </label>
<select id="course" name="course" required>
coption value="8.Tech"y8.Tech(option>
coption value="1.Tech"y8.Tech(option>
contion value="1.Tech"y8.Tech(option>
contion value="1.Tech"y8.Tech(option>

```
alert("you must enter your stream");
             var n=document.getElementById("sem").value;
    if(!isNaN(parseFloat(n)) && isFinite(n))
        (#.preventDefault();
        alent("you must enter your semester"); )
var fieldValue=document.getElementById("con").value;
                  document.getElementById("conf").innerHTML=" ";
   AP LAB - N otepad
File E d I Format Vi ew He a
                  (and (amiip : Connie Sans M5;
            input:visited{
            input:active{
   border: lpx solid rgb(131, 8, 8);
           #btn:hover,
            #btn:active{
                  banden- nad?us: 5air;
paddi ng: 5px 5pxj
c u ns an: poi nte n;
            textarea:visited(
   border: lps solid white;
            texta sea: hover,
                  border: lps solid rgb(131, 8, 8);
            </style>
            va r No rm Exa rrpL e = d ocumen I . get El efren tBy I d ( "fo rm_b ax" ;
              formExample.submit();
            dacumenI . gel ENementBy I d ( "to mm \, b ox" \, ) . onsubmdI - \, I unctt \, on (e) {
                  var +TeLdVaLue-d ocumen! . gel ELementBy I d ("n ame") . vaLue; iI (fi eL d Va L u e==n uL l | +T eLd Va L u e== "")
```

```
AP LAB 1 - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
    <head>
          <title>Registeration Form</title>
<style type="text/css">
          *{
               box-sizing: border-box;
               text-align: center;
font-family: Comic Sans MS;
          body{
               background-color: rgb(50, 68, 68);
background-attachment: fixed;
               background-position: center;
               background-size: cover;
               /* background-repeat:round; */
          ĥ1{
               color: white;
               background-color: rgb(500, 29, 29);
               font-family: Comic Sans MS;
          #form_box{
              margin-left: 10%;
               margin-right: 10%;
padding: 5% 10%;
               text-align: left;
border: 2px solid rgb(63, 7, 7);
               border-radius: 5px;
background-color: white;
               z-index: 999;
font-family: Comic Sans MS;
          }
               color: rgb(500, 0, 0);
          h6{
               color: white;
               z-index: 2;
font-family: Comic Sans MS;
         input:link,
input:visited{
   border: 1px solid white;
```



# **Experiment 9** - Writing and Understanding Program in Python **Python File**

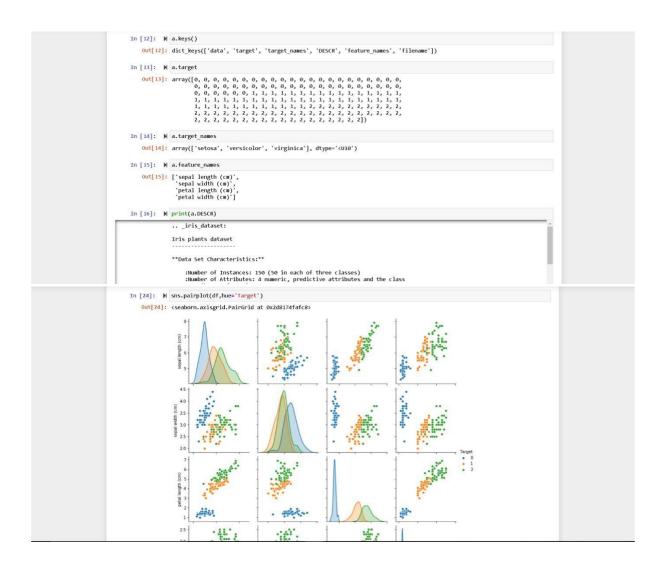


**Experiment 10** - Use python Libraries like Math's statistics to create program for Scientific Computations

## **Python File**

```
In [10]: N import pandas as pd import numpy as np import matplotlib.pyplot as plt import seaborn as sns "matplotlib inline from sklearn.datasets import load_iris a load_iris() a
         Out[10]: {'data': array([[5.1, 3.5, 1.4, 6.2], [4.7, 3.2, 1.3, 6.2], [4.7, 3.2, 1.3, 6.2], [4.7, 3.2, 1.3, 6.2], [4.6, 3.1, 1.5, 6.2], [5.4, 3.6, 1.4, 6.2], [5.4, 3.9, 1.7, 6.4], [6.6, 3.4, 1.4, 6.3], [5.7, 3.4, 1.5, 6.2], [4.7, 3.4, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [4.7, 3.7, 1.5, 6.2], [5.7, 4.4, 1.5, 6.4], [5.7, 4.4, 1.5, 6.4], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3], [5.7, 3.8, 1.7, 6.3
In [11]: N a.data
 In [20]: M df['Target']=a.target
                                      | 1 | 49 | 30 | 14 | 02 | 0
                                       2 4.7 3.2 1.3 0.2 0
                                                                                  4.6
                                                                                                                        3.1
                                                                                                                                                                 1.5
                                                                                                                                                                                                      0.2
                                           148
                                                                                  6.2
                                                                                                                        3.4
                                                                                                                                                                 5.4
                                                                                                                                                                                                      2.3
                                        149 5.9 3.0 5.1 1.8 2
                                       150 rows × 5 columns
In [22]: M X=df.drop('Target',axis='columns')
          Out[22]:
                                                    sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)
                                      2 4.7 3.2 1.3 0.2
                                      3 4.6 3.1 1.5 0.2
4 6.0 3.8 1.4 0.2
In [19]: | df=pd.DataFrame(data=a.data,columns=a.feature_names)
df
                                        4 50 36 14 02
                                          147 8.5 3.0 5.2 2.0
In [20]: M df['Target']=a.target df
          out[20]:
                                      0 5.1 3.5 1.4 0.2
1 4.9 3.0 1.4 0.2
```

3.6



. . . . .

2 4 6 petal length fern)

8 0

£ 1.5

0.5

.......

6 8 sepaT Teugth (cm) • • • • • • • •