# AP LAB FILE

By Anuj CSE 11911013

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

#### **HTML File**

```
1 <!DOCTYPE html>
   #<html lang="en">
         <meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
         <title>Formularz</title>
         link rel="Stylesheet" type="text/css" href="styleindex.css">
    -</head>
<div class="wrapper">
             <form action="send.php" method="POST" name="registrationform">
                 <h1>Registration Form</h1>
                 <div class="name"
                     <input type="text" placeholder="name" name="name" id="name" required>
                 </div>
                 <div class="surname">
                     <input type="text" placeholder="surname" name="surname" id="surname" required>
                 </div>
                 <div class="position">
                     <input type="text" placeholder="position" name="position" id="position" required>
                 </div>
                 <div class="mail">
                     <input type="email" placeholder="mail" name="mail" id="mail" required>
                 <input type="submit" value="send">
             </form>
         </div>
    -</body>
   L</html>
```

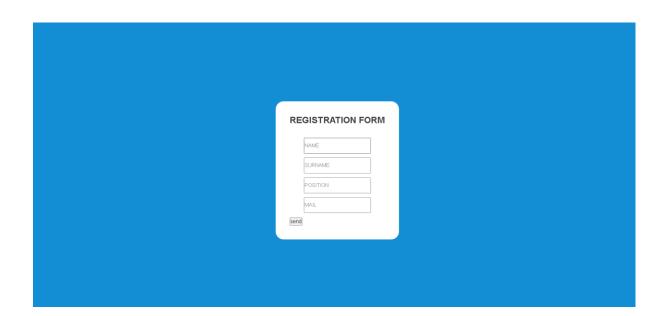
#### **CSS File**

```
.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);
```

```
styleindex - Notepad
File Edit Format View Help
* {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
}
body {
     background-color: rgb(19, 141, 211);
.wrapper {
    position: absolute;
     top: 50%;
left: 50%;
transform: translate(-50%, -50%);
}
form {
     m {
  padding: 35px;
  text-transform: uppercase;
  font-family: Arial, Helvetica, sans-serif;
  background-color: white;
  border-radius: 20px;
  color: #999;
}
h1 {
      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;
}
h1 {
    text-transform: uppercase;
    font-size: 22px;
margin-bottom: 30px;
text-align: center;
}
р {
    margin-bottom: 10px;
```



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

# **HTML Files**

```
text-shadow: 2px 2px 5px purple;
    -</style>
-</head>
 12 <h1>Mr.
-</body>
14 </html>
    <h1>Mr. Md. Arquam</h1>
 button
{
font-size:20px;
}
```

```
| Control | Cont
```

# Student's Detail

Name-Anuj

Class-CSE

Roll No.-11912013



Assignment 2 Submitted To -Mr. Md. Arquam

# **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;}
```

```
<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
33
34
35
36
37
38
39
40
41
42
43
44
45
46
        <br>
        <br>
        <label class="abc"><b>Mobile No:</b></label><br>

          47
48
                    <option>+1</option>
<option>+355</option>
           <option>+2</option>
</select>
49
50
51
52
53
54
55
56
57
58
60
61
62
63
64
         <input type="text" placeholder="Enter your Mobile number ">

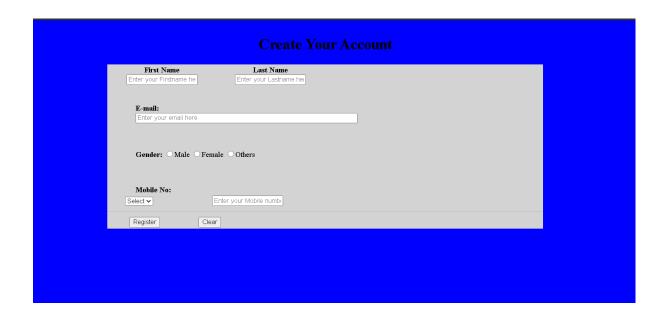
          </div>
           <hr>>

  value="Register">
  input type="reset" value="Clear">

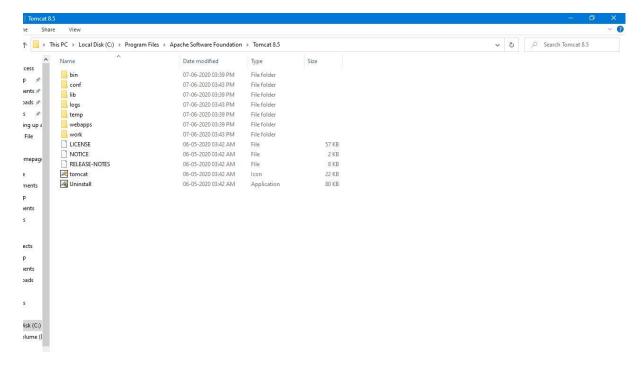
            -</div>
-</div>
       </body>
```

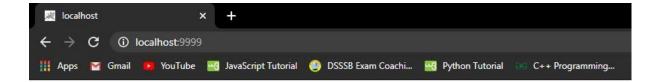
```
☑ C:\Users\anujs\OneDrive\Desktop\New\3). Creating XHTML and CSS and understanding its use in creating web pages\AP.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
   ] 🚽 🗎 😘 🥱 🦓 🚵 | 🕹 10 m | 🔾 C | m 🗽 🔍 🤏 | 🖫 🖫 🗁 11 📭 🗷 M / 2 📾 🐠 🕒 🗉 🗈 🗎
index.html X body.html X nevigation.html X header.html X footer.html X nsfg.py X Output.html X s.html X 1.html X 4.html X 5.html X index.html X nsfg.py X Output.html X 1.html X 4.html X 1.html X 1.html
              k rel="stylesheet" href="AP.css">
                          </head>
                        <br/>
<body>
<div class="ab">
              <input type="text" placeholder="Enter your Firstname here">
><label for="">Last Name</label>
                                 <input type="text" placeholder="Enter your Lastname here">
    19
20
21
22
23
24
25
26
27
28
29
30
31
                         <br>
                         <br>
                = <div>
                    <label class="abc"><b>E-mail:</b></label>
<bre>
                      <input type="email" placeholder="Enter your email here">
                     <br>
                     <br>
                    34
35
                     <br>
    36
37
38
                   <br> <br> <br>>
                  <br>
```



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







#### This site can't be reached

localhost refused to connect.

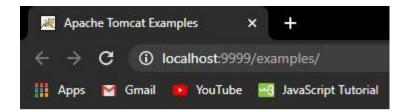
Try:

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

ERR\_CONNECTION\_REFUSED

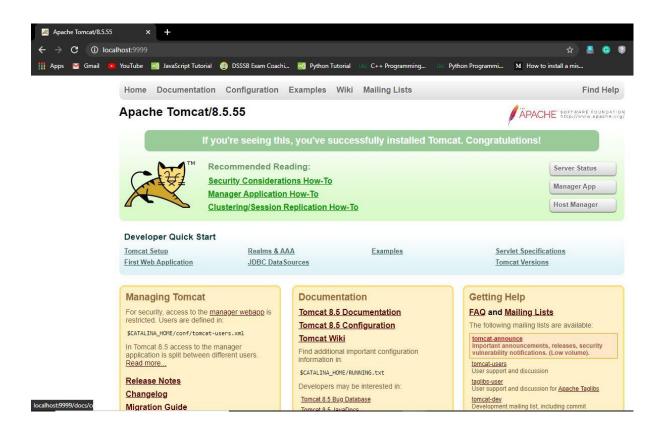
Reload

```
<!-- 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" />
-->
```

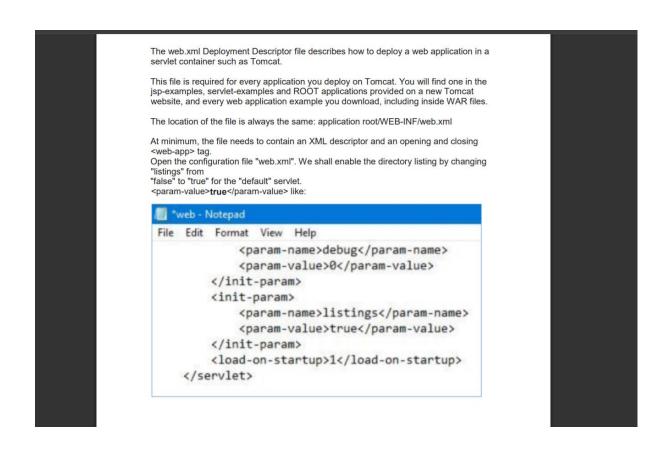


# **Apache Tomcat Examples**

- Servlets examples
- JSP Examples
- WebSocket Examples



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



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

# **PHP Files**

```
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Seconic systall_connect("localhost", "root", "", "db");

if([Sconn)

die("Connection failed" .mysqli_connect_error());

Jusername = $_post['restroid'];

$_password = $_post['restroid'];

$_password = $_post['restroid'];

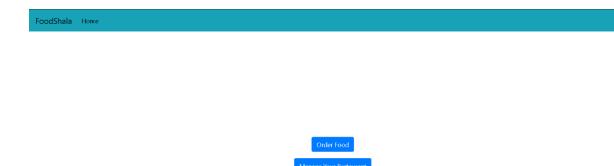
$_password = $_post['password'];

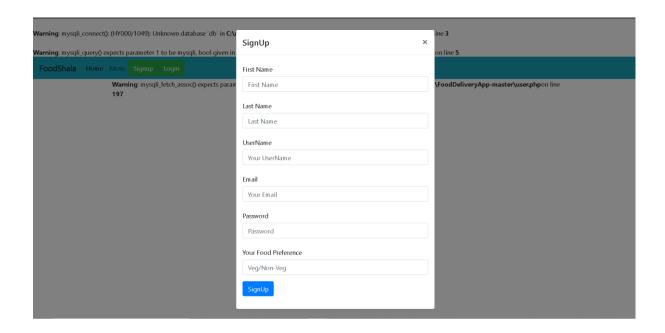
Suture = $_post['restroid'];

$_password = $_post['password'];

$_password = $_post['password = $_post['p
```

```
| Control | Cont
```





# **Experiment 7** - Understanding JavaScript

Java Script File

```
| Image: Alternative content of the content of the
```



**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

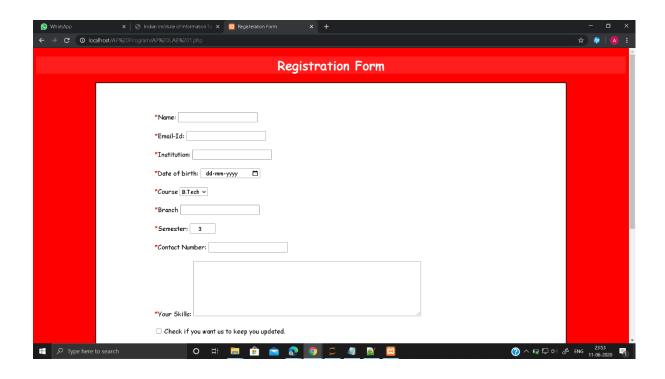
```
</select>
                       
                                                       (br)

<
                     cor><br/>cp style="text-align: left; color: blue;">Fields marked with * sign are mandatory.<br/>cbr>
                     cinput type="submit" id="btn" value="Register" onmouseout="offconf();"><br/>cp id="conf"> 
               </form>

<
echo "<h1> ".$name."</h1>"; echo "<h3>You are pursuing ".$course." in ".$stream." at ".$institution."</h3>"; echo "<h3>E-mail: ".$email."</h3>";
 </div>
</body>
AP LAB 1 - Notepad
 File Edit Format View Help
                   function marq()
                       return ((new Date().getDate()).toString());
                  }
      </script>
      <body style="background-color:red">
  <b1>Registration Form</b1>
<?php
$name = $email = $gender = $comment = $website = "";</pre>
function test_input($data) {
   $data = trim($data);
   $data = stripslashes($data);
   $data = htmlspecialchars($data);
   return $data;
}
             <form method="post" action="#after" id="form_box">
                  <label for="name">><span class="mand">*</span>Name: </label>
<input type="text" id="name" name="name" required><br><br>
                  <label for="email"><span class="mand">*</span>Email-Id: </label>
<input type="email" id="email" name="email" required><br><br>
                  <label for="institution"><span class="mand">*</span>Institution: </label>
<input type="text" id="institution" name="institution" required><br><br></pr>
                   <label for="dob"><span class="mand">*</span>Date of birth: </label>
<input type="date" id="dob" name="dob" required><br><br><br>
                  clabel for="course"><span class="mand">*(/span>Course </label>
<select id="course" name="course" required>
<option value="B.Tech"yB.Tech</option>
<option value="M.Tech"yB.Tech</option>
<ontion value="M.Tech"yB.Tech</option>
<ontion value="M.Tech"yB.Tech</pre>
```

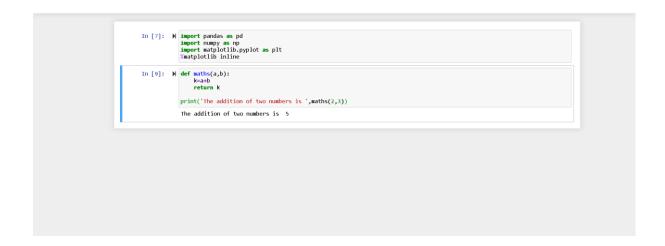
```
}
var fieldValue=document.getElementById("email").value;
if(fieldValue==null || fieldValue== "")
                     e.preventDefault();
alert("you must enter your email address");
             }
yar fieldValue=document.getElementById("institution").value;
if(fieldValue==null || fieldValue== "")
{
    e.preventDefault();
        alert("you must enter your institution name");
}
             var fieldValue=document.getElementById("stream").value;
   if(fieldValue==null || fieldValue== "")
   {
                     e.preventDefault();
alert("you must enter your stream");
              }
ar n=document.getElementById("sem").value;
if(lisNaN(parseFloat(n)) && isFinite(n))
{e.preventDefault();
alert("you must enter your semester"); }
var fieldValue=document.getElementById("con").value;
if(fieldValue==null || fieldValue== "")
                  e.preventDefault();
alert("you must enter your contact no.");
              }
              function offconf()
                 document.getElementById("conf").innerHTML=" ";
             }
AP LAB 1 - Notepad
File Edit Format View Help
                  font-family: Comic Sans MS;
            input:link,
            input:visited{
                  border: 1px solid white;
            input:hover,
input:active{
                  border: 1px solid rgb(131, 0, 0);
                  border: 2px solid rgb(500, 0, 0);
z-index: 9999;
padding: 5px 5px;
                   border-radius: 5px;|
transition: background-color 0.2s, color 0.2s;
            #btn:hover,
            #btn:active{
                   background-color: rgb(900, 29, 29);
                   color: white;
border: 2px solid rgb(131, 0, 0);
                   border-radius: 5px;
                   padding: 5px 5px;
                   cursor: pointer;
            }
            textarea:link,
            textarea:visited{
                  border: 1px solid white;
            textarea:hover,
            textarea:active(
                  border: 1px solid rgb(131, 0, 0);
            </style>
            <script type="text/javascript">
            var formExample = document.getElementById("form_box");
              formExample.submit();
            document.getElementById("form_box").onsubmit = function(e){
                   var fieldValue=document.getElementById("name").value;
   if(fieldValue==null || fieldValue== "")
```

```
AP LAB 1 - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
         <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; */
         }
h1{
               color: white;
               background-color: rgb(500, 29, 29);
               font-family: Comic Sans MS;
          #form_box{
              rm_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;
         }
          .mand{
               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]: W 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
       0ut[10]: {'data': array([[5.1, 3.5, 1.4, 0.2], [4.9, 3., 1.4, 0.2], [4.9, 3., 1.14, 0.2], [4.9, 3.2, 1.3, 0.2], [4.6, 3.1, 1.5, 0.2], [5.4, 3.6, 1.4, 0.2], [5.4, 3.9, 1.7, 0.4], [4.6, 3.4, 1.4, 0.3], [5.7, 3.4, 1.5, 0.2], [4.9, 3.4, 1.5, 0.2], [4.9, 3.1, 1.5, 0.1], [5.4, 3.7, 1.5, 0.2], [4.8, 3.4, 1.6, 0.2], [4.8, 3.4, 1.6, 0.2], [4.8, 3.4, 1.6, 0.2], [4.8, 3.4, 1.5, 0.1], [5.8, 4.7, 1.2, 0.2], [5.7, 4.4, 1.5, 0.4], [5.8, 3.9, 1.3, 0.4], [5.1, 3.5, 1.4, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3], [5.7, 3.8, 1.7, 0.3]
          Out[11]: array([[5.1, 3.5, 1.4, 0.2], [4.9, 3. , 1.4, 0.2], [4.7, 3.2, 1.3, 0.2], [4.6, 3.1, 1.5, 0.2],
 In [20]: M df['Target']=a.target

        0
        5.1
        3.5
        1.4
        0.2
        0

        1
        4.9
        3.0
        1.4
        0.2
        0

                                2 4.7 3.2 1.3 0.2 0
                                                                     4.6
                                                                                                    3.1
                                                                                                                                     1.5
                                                                                                                                                                      0.2
                                  146 8.7 3.0 5.2 2.3 2
                                   146
                                                                    6.3
                                                                                                    2.5
                                                                                                                                     5.0
                                                                                                                                                                      1.9
                                 149 5.9 3.0 5.1 1.8 2
                                 150 rows × 5 columns
In [22]: M X=df.drop('Target',axis='columns')
                                            sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)

        0
        5.1
        3.5
        1.4
        0.2

        1
        4.8
        3.0
        1.4
        0.2

                                                                     4.6
                                4 5.0 3.6 1.4 0.2
In [19]: | df=pd.DataFrame(data=a.data,columns=a.feature_names)
df
                                            sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)
                                     0 5.1 3.5 1.4 0.2
1 4.9 3.0 1.4 0.2
                                 2 4.7 3.2 1.3 0.2
                                   147 6.5 3.0 5.2 2.0
                                   148
                                                                     6.2
                                                                                                     3.4
                                                                                                                                      5.4
                                                                                                                                                                      2.3
                                 149 5.9 3.0 5.1 1.8
                                 150 rows × 4 columns
In [20]: M df['Target']=a.target
df
        Out[20]:
                                            sepal length (cm) sepal width (cm) petal length (cm) petal width (cm) Target
                             0 5.1 3.5 1.4 0.2 0
3.0 1.4 0.2 0
                                 2 4.7 3.2 1.3 0.2 0
```

4 50 36 14 02



