

IIIT SONEPAT

APPLICATION PROGRAMMING

Practical lab file

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Cse , 11911004

INDEX

Name

- 1). Creating an HTML web page form
- 2). Creating Home Page using HTML
- 3). Creating XHTML and CSS and understanding its use in creating web pages
- 4). Setting up and configuration of Apache Tomcat server
- 5). Understanding modification of Web.XML
- 6). Creating Websites using PHP
- 7). Understanding JavaScript
- 8). Creating a Web page with back end in PHP and front end in JavaScript and hosting it on Apache Tomcat Server
- 9). Writing and understanding program in Python
- 10). Use Python Libraries like Math statistics to create programs for Scientific Computations

1). Creating an HTML web page form

```
File Edit Find View Navigate Debug Help
Working Files:
  ap.html
Getting Started ▾
  > screenshots
  index.html
  main.css
4 <meta charset="utf-8">
5 <title>HTML Forms</title>
6 <style>
7   body{ background-color : darkcyan}
8   .abc{ margin :0px 300px 300px 300px ;
9   }
10  .ab{ margin : 12px;
11  background-color: saddlebrown;}}
12  input[type=text],input[type=email]{ width : 90%;
13  }
14  .bc{ padding : 20px;
15  text-align :left;
16  }
17  }
18 </style>
19 </head>
20 <body>
21 <div class="bc">
22   <h1>Student Form</h1> <hr>
23
24 </div>
25 <div class="abc">
26   <form class="" action="Success.html" method="post">
27     <div class="ab">
28       <table width="100%">
29         <tr>
30           <td>Name:<hr></td>
31           <td><input type="text" placeholder="Enter Your Name Here" required></td>
32         </tr>
33         <tr>
34           <td>Roll No:<hr></td> <hr>
35           <td> <input type="text" placeholder="Enter Your Roll No here" required></td>
36         </tr>
37         <tr>
38           <td>Mobile No:<hr></td><hr>
39           <td><input type="text" placeholder="Enter Your Number Here" required></td>
40         </tr>
41         <tr>
42           <td>E-mail<hr></td>
43           <td><input type="email" placeholder="Enter Your E-mail Here" required></td>
44         </tr>
45           <td>College:<hr></td><hr>
46           <td><input type="text" placeholder="Enter Your College Name"></td>
47         </table>
48         <br><br><br>
49         <table width="100%">
50         <tr>
51           <td><input type="submit" value="Submit"></td><hr>
52           <td><input type="reset" value="Clear"></td>
53         </tr>
54         </table>
55       </div>
56     </form>
57   </div>
58
59 </body>
60 </html>
```

Line 58, Column 1 — 60 Lines INS UTF-8 ▾ HTML ▾ Spaces: 4

OUTPUT

HTML Forms

File | C:/Users/inais/Desktop/ap%20pdf/ap.html

Student Form

Name:	<input type="text" value="Enter Your Name"/>
Roll No:	<input type="text" value="Enter Your Roll No"/>
Mobile No:	<input type="text" value="Enter Your Mobile No"/>
E-mail	<input type="text" value="Enter Your E-mail"/>
:	
College:	<input type="text" value="Enter Your College"/>
<input type="button" value="Submit"/>	<input type="button" value="Clear"/>

2). Creating Home Page using HTML

C:/Users/inais/Desktop/AP Lab programs/2). Creating Home Page using HTML/Hompage.html (Getting Started) - Brackets

File Edit Find View Navigate Debug Help

Working Files

- ap.html
- 6.html
- 4.html
- 3.html
- 1.html
- Homepage.html

```
1 <html>
2 <head>
3 </head>
4 <frameset rows = "22%,70%">
5     <frame src = "1.html">
6     <frame src = "2.html">
7
8 </frameset>
9 </html>
```

C:/Users/inais/Desktop/AP Lab programs/2). Creating Home Page using HTML/1.html (Getting Started) - Brackets

File Edit Find View Navigate Debug Help

Working Files

- ap.html
- 6.html
- 4.html
- 3.html
- 1.html

```
1 <html>
2 <head>
3 </head>
4 <body>
5 <center></center>
6 </body>
7 </html>
```

C:/Users/inais/Desktop/AP Lab programs/2). Creating Home Page using HTML/2.html (Getting Started) - Brackets

File Edit Find View Navigate Debug Help

Working Files

- ap.html
- 6.html
- 4.html
- 3.html
- 1.html
- 2.html

```
1 <html>
2 <head>
3 </head>
4 </head>
5 <frameset cols="15%,70%,15%">
6 <frame src="4.html">
7 <frame src="5.html">
8 <frame src="6.html">
9 </frameset>
```

Getting Started

- screenshots
- index.html
- main.css

C:/Users/inais/Desktop/AP Lab programs/2). Creating Home Page using HTML/5.html (Getting Started) - Brackets

File Edit Find View Navigate Debug Help

Working Files

- ap.html
- 6.html
- 4.html
- 3.html
- 1.html
- 5.html
- Homepage.html
- 2.html

```
1 <html>
2 <head>
3 <style>
4 button
5 {
6 font-size:20px;
7 }
8
9 <body {
10     background-image: url("img.jpg");
11     background-color: #cccccc;
12     background-size: cover;
13 }
14 </style>
15 </head>
16 <body>
17 <center><div>
18 <p><button type="Home">Home</button>
19 <button type="About">About</button>
20 <button type="Admission">Admission</button>
21 <button type="Academics">Academics</button>
22 <button type="Academics">Examination</button>
23 <button type="Academics">Placements</button>
24 <button type="Academics">Students</button>
25 <button type="Academics">Activities</button></p>
26 </div></center>
27 </body>
28 </html>
```

Getting Started

- screenshots
- index.html
- main.css

OUTPUT

File | C:/Users/inais/Desktop/AP%20Lab%20programs/2).%20Creating%20Home%20Page%20using%20HTML/Homepage.html



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY SONEPAT



भारतीय सूचना प्रौद्योगिकी संस्थान, सोनीपत

(An Institute of National Importance under an Act of Parliament)

FEEDS

>Notice for the Extension
for Suspension of classes
>Notice for the Extension
for Suspension of classes
>Re-scheduling of Summer
Vacation.
>Notice for the Extension
for Suspension of classes
>Hostel Fees Notice for Academi

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about us

Indian Institute of Information Technology, Sonapat (IIIT, Sonapat) is one of the Indian Institutes of Information Technology located at Sonapat, Haryana. The academic session of IIIT Sonapat started from its mentor Institute National Institute of Technology, Kurukshetra from year 2014. IIIT Sonapat is a joint venture of the Ministry of Human Resource Development, Government of India, the Govt. of Haryana, with Industries in Public-Private Partnership model and has been declared as the Institute of national importance.

3). Creating XHTML and CSS and understanding its use i...

File Edit Find View Navigate Debug Help

AP.html

AP.css

Right

AP.css

Getting Started ▾

▶ screenshots

index.html

main.css

10 <h1 style=font= red >Sign up</h1></div>
11 <center></center>
12 <div>
13 <div class="dv">
14 <form method="post">
15 <table width="100%">
16 <th><label>First Name<hr></label>
17 <input type="text" placeholder="Enter
your Firstname here"></th>
18 <th><label for="">Last Name<hr></label>
19 <input type="text" placeholder="Enter
your Lastname here"></th>
20 </table>
21

22

23 <div>
24 <label class="abc">E-mail:<hr>
</label>
25

26 <input type="email" placeholder="Enter your
email here">
27

28

29

30

31 <label class="abc">Gender:<hr></label>
32 <input type="radio" name="ab"
value="male">Male<hr>
33 <input type="radio" name="ab"
value="female">Female<hr>
34 <input type="radio" name="ab"
value="others">Others<hr>
35

36

37 <label class="abc">Mobile No:<hr></label>

38 <table width="100%">
39 <th>
40 <select >
41 <option>Select</option>
42 <option>+91</option>
43 <option>+010</option>
44 <option>+911</option>
45 </select></th>
46 <th>
47 <input type="text" placeholder="Enter
your Mobile number "></th>
48 </table>
49 </div>
50

51 <hr>
52 <table width="100%">
53 <th><input type="submit"
value="Register"></th>
54 <th><input type="reset" value="Clear">

1 .dv{ background-color:blueviolet;
2 margin: 0px 300px 300px 300px;}
3 .abc{margin-left: 60px;}
4 input[type=email]{width:50%;
5 margin-left: 60px;
6 }
7 body{background-color:palevioletred}
8 .ab{text-align: center;
9 text-shadow: 5px;
10 padding: 2px;
11 margin: auto;}
12
13 h1{background-color: black}
14 h1{color:darkturquoise}
15
16


Line 27, Column 5 — 61 Lines

INS UTF-8 HTML Spaces: 4

OUTPUT

← → ↺ File | C:/Users/inais/Desktop/AP%20Lab%20programs/3).%2... ☆ 🔥 🍳 📄 ⚙️ 🌑

Sign up

PROGRAMMING 

First Name	Last Name
<input type="text" value="Enter your Firstname here"/>	<input type="text" value="Enter your Lastname here"/>
E-mail:	
<input type="text" value="Enter your email address"/>	
Gender:	
<input type="radio"/> Male	
<input type="radio"/> Female	
<input type="radio"/> Others	
Mobile No:	
<div>Select ▼</div>	<input type="text" value="Enter your Mobile number"/>
<input type="button" value="Register"/> <input type="button" value="Clear"/>	



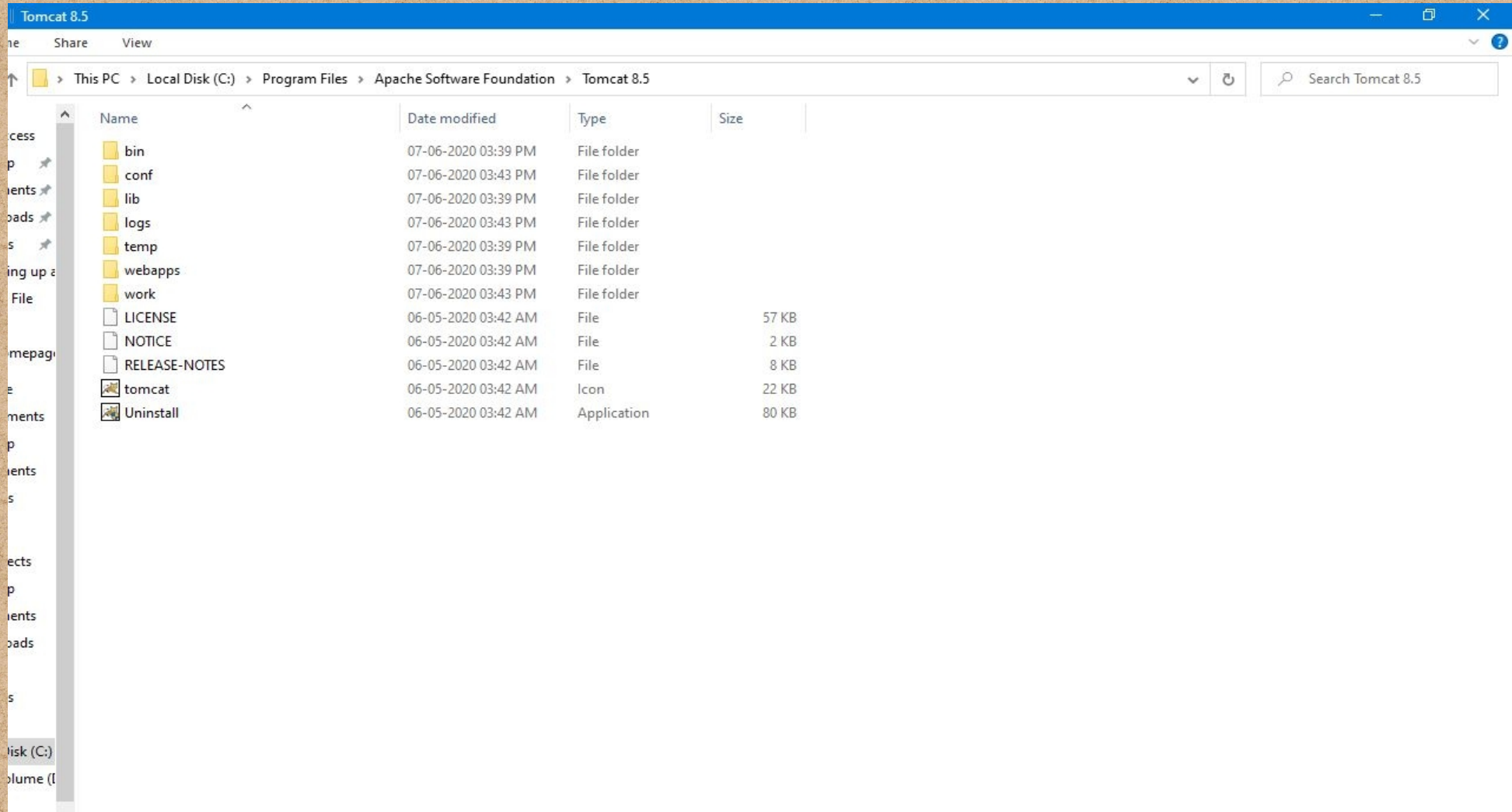
4). Setting up and configuration of Apache Tomcat server

```
Administrator: Command Prompt

C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin>startup.bat
Using CATALINA_BASE:  "C:\Program Files\Apache Software Foundation\Tomcat 8.5"
Using CATALINA_HOME:  "C:\Program Files\Apache Software Foundation\Tomcat 8.5"
Using CATALINA_TMPDIR: "C:\Program Files\Apache Software Foundation\Tomcat 8.5\temp"
Using JRE_HOME:        "C:\Program Files\Java\jdk-13.0.2"
Using CLASSPATH:        "C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin\bootstrap.jar;C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin\tomcat-juli.jar"
C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin>
```

```
Tomcat

07-Jun-2020 16:52:25.748 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\examples] has finished in [961] ms
07-Jun-2020 16:52:25.836 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\host-manager] has finished in [88] ms
07-Jun-2020 16:52:25.838 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\manager] has finished in [110] ms
07-Jun-2020 16:52:25.951 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\ROOT] has finished in [77] ms
07-Jun-2020 16:52:26.035 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler ["http-nio-9999"]
07-Jun-2020 16:52:26.054 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in 2076 ms
```




```
<!-- 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. -->
<WatchedResource>WEB-INF/web.xml</WatchedResource>
```

Apache Tomcat/8.5.55


localhost:9999

Apps Gmail YouTube JavaScript Tutorial DSSSB Exam Coachi... Python Tutorial C++ Programming... Python Programmi... How to install a mis...

Home Documentation Configuration Examples Wiki Mailing Lists Find Help

Apache Tomcat/8.5.55

If you're seeing this, you've successfully installed Tomcat. Congratulations!

 Recommended Reading:

- [Security Considerations How-To](#)
- [Manager Application How-To](#)
- [Clustering/Session Replication How-To](#)

Server Status
Manager App
Host Manager

Developer Quick Start

[Tomcat Setup](#) [Realms & AAA](#) [Examples](#) [Servlet Specifications](#)
[First Web Application](#) [JDBC DataSources](#) [Tomcat Versions](#)

Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in:

```
$CATALINA_HOME/conf/tomcat-users.xml
```

In Tomcat 8.5 access to the manager application is split between different users.
[Read more...](#)

[Release Notes](#)
[Changelog](#)
[Migration Guide](#)

Documentation

[Tomcat 8.5 Documentation](#)
[Tomcat 8.5 Configuration](#)
[Tomcat Wiki](#)

Find additional important configuration information in:

```
$CATALINA_HOME/RUNNING.txt
```

Developers may be interested in:

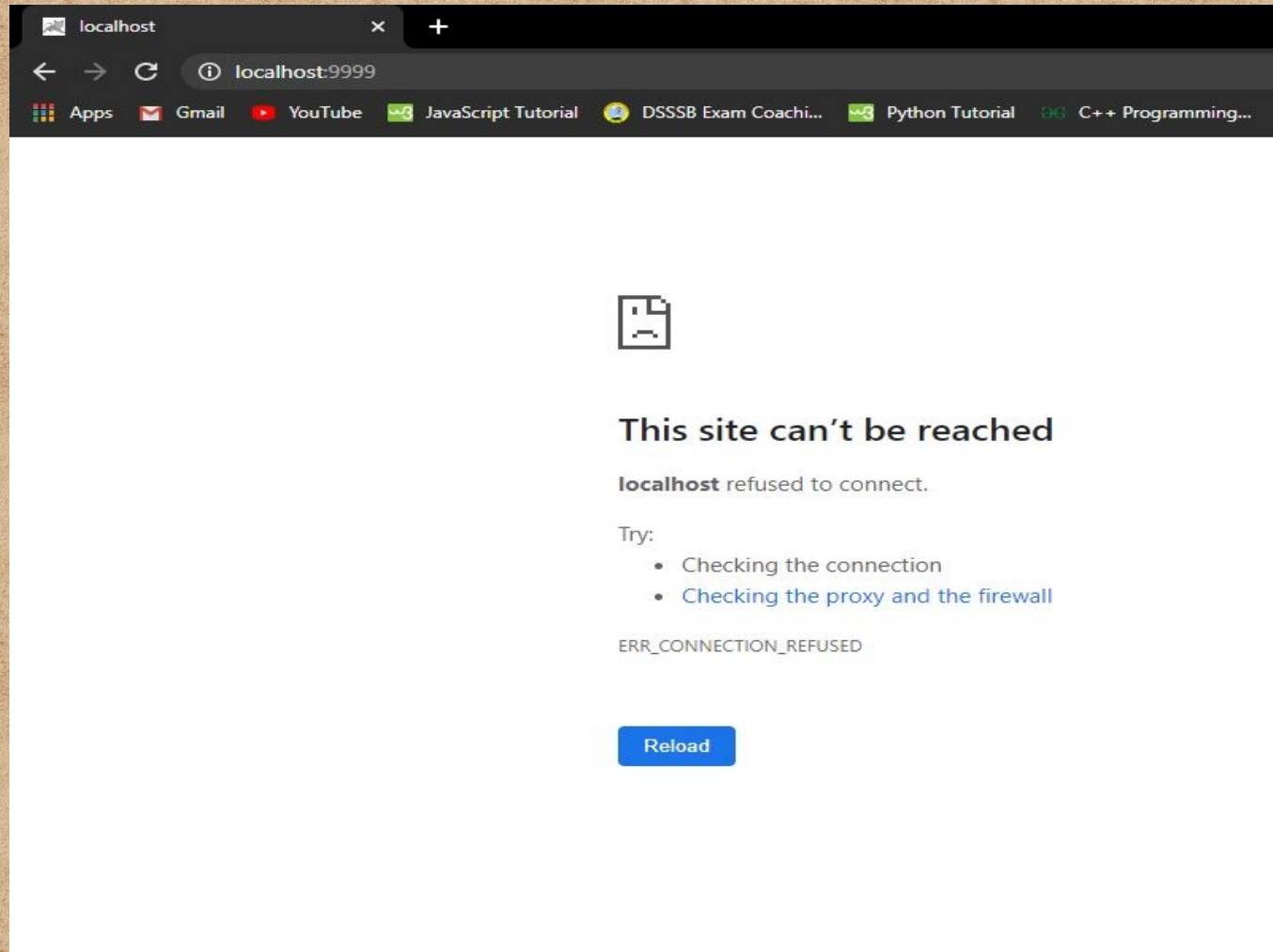
[Tomcat 8.5 Bug Database](#)
[Tomcat 8.5 JavaDocs](#)

Getting Help

[FAQ and Mailing Lists](#)

The following mailing lists are available:

- [tomcat-announce](#)
Important announcements, releases, security vulnerability notifications. (Low volume).
- [tomcat-users](#)
User support and discussion
- [taglibs-user](#)
User support and discussion for [Apache Taglibs](#)
- [tomcat-dev](#)
Development mailing list, including commit





6). Creating Websites using PHP

about.php

```
1 <?php echo  
  file_get_contents("header.html");?>  
2 <?php echo  
  file_get_contents("navigation.html");?>  
3 <?php echo file_get_contents("ft.html");?>  
4 |
```

header.html

```
1 <!DOCTYPE html>  
2 <html lang="en" dir="ltr">  
3 <head>  
4   <meta charset="utf-8">  
5   <title>Programeeez</title>  
6 </head>  
7 <body>  
8 <div >  
9     
10 </div>  
11 </body>  
12 </html>  
13
```


body.html

```
1 <!DOCTYPE html>
2 <html lang="en" dir="ltr">
3 <head>
4 <style>
5 .mySlides {display:none;}
6 </style>
7 </head>
8 <body style="background-color:#DDDDDD;">
9 <div style="max-height:800px">
10 
12 
14 
16 
18 
20 
22 </div>
23 <script>
24 var myIndex = 0;
25 carousel();
26
27 function carousel() {
28   var i;
29   var x =
30     document.getElementsByClassName("mySlide
31     s");
32   for (i = 0; i < x.length; i++) {
33     x[i].style.display = "none";
34   }
35   myIndex++;
36   if (myIndex > x.length) {myIndex = 1}
37   x[myIndex-1].style.display = "block";
38   setTimeout(carousel, 2000); // Change
39   image every 2 seconds
40 }
41 </script>
42 </body>
43 </html>
```

navigation.html

```
1 <!DOCTYPE html>
2 <html lang="en" dir="ltr">
3 <head>
4 <style>
5 .topnav {
6   overflow: hidden;
7   background-color: #333;
8   width : 100%;
9 }
10 .topnav a {
11   float: left;
12   display: block;
13   color: #f2f2f2;
14   text-align: center;
15   padding: 14px 16px;
16   text-decoration: none;
17 }
18 .topnav a:hover {
19   background-color: #ddd;
20   color: black;
21 }
22 </style>
23 </head>
24 <body>
25
26 <div class="topnav">
27   <a href="index.php">Home</a>
28   <a href="about.php">About
29   Us</a>
30   <a href="contact.php">Contact
31   Us</a>
32 </div>
33 </body>
34 </html>
```


abt.html

```

1 <html>
2 <head>
3   <style >
4     a{ text-decoration :none;}
5   body {
6     background-image: url("7.jpg");
7     background-repeat: no-repeat;
8     background-color: #cccccc;
9     background-size : cover;
10  }
11  div{ color: white;
12
13  }
14    </style>
15  </head>
16  <body>
17    <a href="mailto:programeeez@abc.com?
      subject=feedback">Email Us</a>
18    <br>
19  <br>
20  <div >
21    <footer>
22    <address>
23      Rohtak, Haryana
24      124001
25    </address>
26    </footer>
27    <p> Copyright © GT 2020</p>
28  </div>
29
30 </body>
31 </html>
32

```

ft.html

```

1 <!DOCTYPE html>
2 <html lang="en" dir="ltr">
3 <head>
4   <style media="screen">
5     body{
6       background-image:
7         url("8.jpg");
8       background-repeat: no-
9         repeat;
10      background-size : cover;
11      display: block;
12      color: white;
13      text-align: left;
14      padding: 14px 16px;
15      text-decoration: none;
16    }
17  </style>
18 </head>
19 <body>
20   <div >
21     <p><pre><b>
22       Programeeez is optimized for
23       learning, testing, and
24       training.Examples might be
25       simplified to improve reading and
26       basic understanding.
27       Tutorials, references, and
28       examples are constantly reviewed
29       to avoid errors, but we cannot
30       warrant full correctness of all
31       content.
32       While using this site, you agree
33       to have read and accepted our
34       terms of use, cookie and privacy
35       policy.
36       Copyright 2020. All Rights
37       Reserved.
38     </b>
39     </pre>
40     </p>
41
42   </div>
43   <div >
44     <footer>
45     <address>
46       Rohtak, Haryana
47       124001
48     </address>
49     </footer>
50     <p> Copyright © GT 2019</p>
51   </div>
52 </body>
53 </html>
54

```



7). Understanding javascript

C:/Users/inais/Desktop/AP Lab programs/7). Understanding javascript/UnderstandingJavaScript.html (Getting Started) - Bra...

File Edit Find View Navigate Debug Help

Left UnderstandingJavaScript.html Right

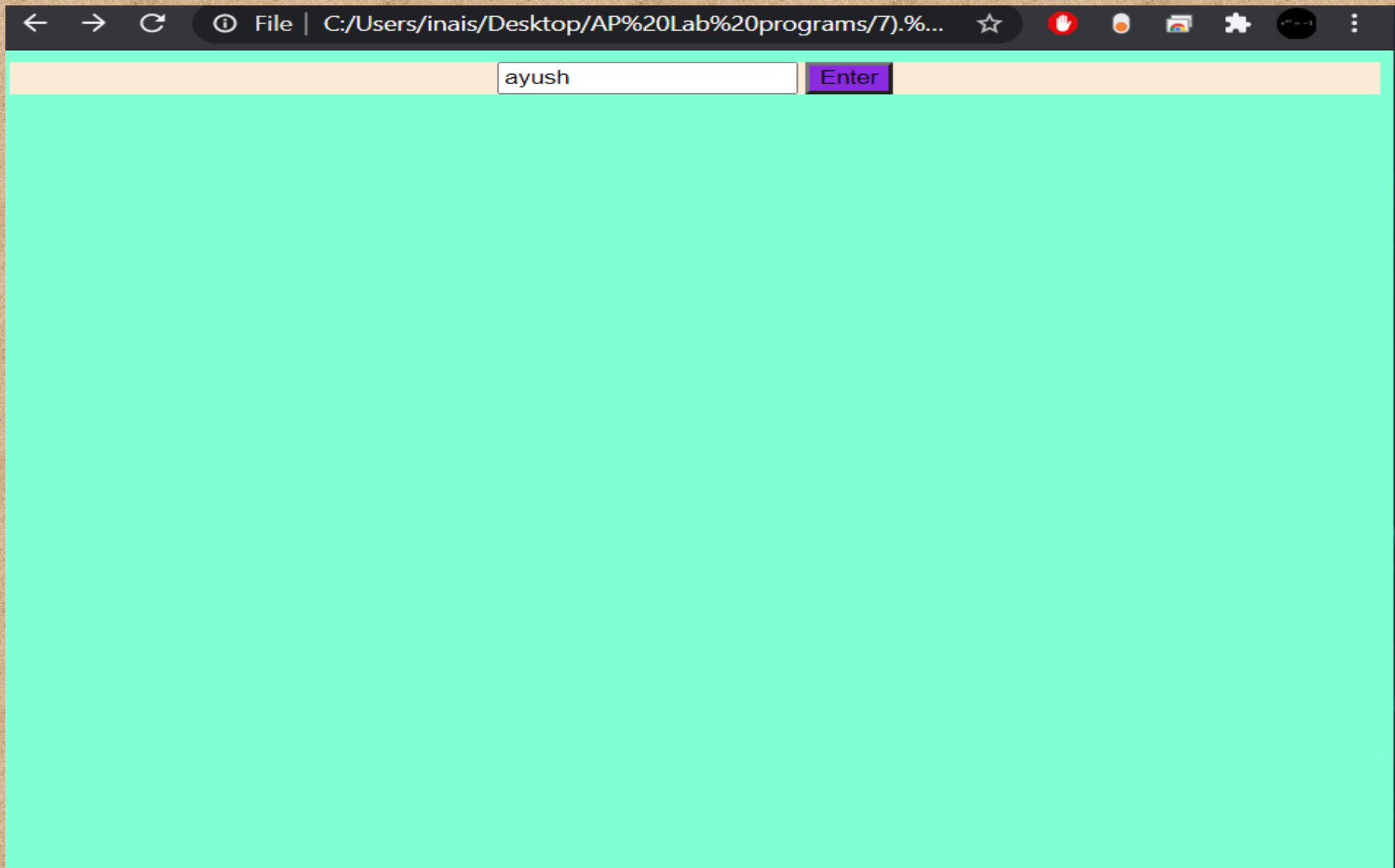
Getting Started ▾

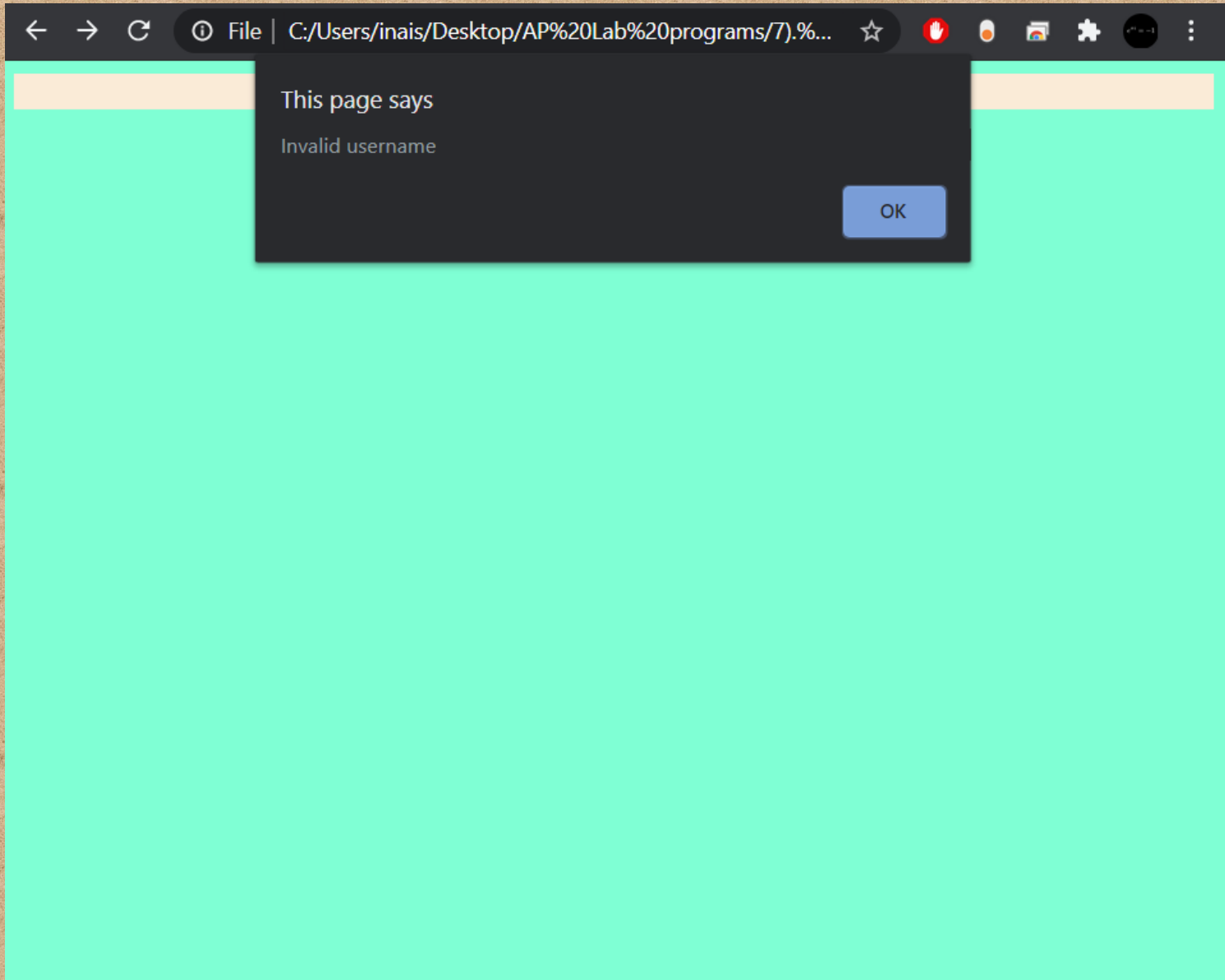
- ▶ screenshots
- index.html
- main.css

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Regular Expression</title>
5   <script type="text/javascript">
6     function validate()
7     {
8       var username=document.getElementById("uname").value;
9       var regx=/A00/;
10      if(regx.test(username))
11      {
12        alert("valid username");
13      }
14      else
15      {
16        alert("Invalid username");
17      }
18    }
19  </script>
20 </head>
21 <body style="background-color: aquamarine" >
22   <center>
23     <form style="background-color: antiquewhite"
24       action="message.html">
25       <input type="text" id="uname" placeholder="enter username
26         here"/>
27       <button style="background-color: blueviolet"
28         onclick="validate()">Enter</button>
29     </form>
30   </center>
31 </body>
32 </html>
```

Open a file while this pane has ...

CODE THE WEB





8). Creating a Web page with back end in PHP and front

form.css

```
1 body{box-sizing: border-box;
2   border: 3px solid green;
3   border-radius: 2px;
4   background-color: aqua}
5 legend{color: SlateBlue;}
6 .abc{text-align: center;
7   margin: auto;}
8 input[type=Password],input[type=text],input[type=
e=email],textarea{background-color: lightgrey;}
9 input[type=radio]{margin-left:70px; }
10 .abcd{margin-left: 200px;}
11 input[type=submit],input[type=reset]
   {background-color: mediumseagreen;;
12     width:40%;
13     height: 30px;}
14 .bc{ text-align: center;
15   background-color: tomato;}
16
```

ap.html

```
1 <html>
2 <head>
3   <title>Registration Form</title>
4   <link rel="stylesheet" href="form.css">
5   <script type="text/javascript"
   src="form.js">
6 </script>
7 </head>
8 <body>
9   <div class="bc">
10     <table width="100%">
11       <th class="bc"><h1>Registration
   Form</h1></th>
12       <th>
   </th>
13     </table>
14   </div>
15   <form method="POST"
   action="http://localhost/AP/form.php"
   name="regform" onsubmit="return
   validate()">
16     <fieldset>
17       <div class="abc">
18         <table width="100%">
19           <th><label width="50%">Username:</label>
20           <input type="text" placeholder="Enter your
   username here" name="username" ></th>
21           <th><label>Password:</label>
22           <input type="password" placeholder="Enter
   your password here" name="password"
   id="a1"></th>
23         </table>
24         <br>
25       </div>
26     </fieldset>
27     <hr>
28     <fieldset>
29       <legend><b>Personal details<b></legend>
30       <table width="100%">
31         <th><label>First Name:</label>
32         <input type="text" placeholder="Type your
   first name here" id="a2"></th>
33         <th><label>Last Name:</label>
34         <input type="text" placeholder="Type your
   last name here" >
35       </th>
36     </table>
37     <label class="abcd">Gender</label>
38     <input type="radio" name="ab"
   value="male">Male
39     <input type="radio" name="ab"
   value="female">Female
40     <input type="radio" name="ab"
   value="others">Others
41     <br>
```

form.js

```
1 function validate()
2 { var b=
   document.getElementById('a2').va
   lue;
3   var c=
   document.getElementsByName('ab'
   ).value;
4   var
   d=document.getElementById('a3')
   .value;
5   var e=
   document.getElementById('a4').v
   alue;
6   var
   f=document.getElementById('a5')
   .value;
7   if(b==" " || b==0)
8   {
9     alert("Please Enter First
   Name");
10    return false;
11  }
12  if(c==" " || c==0)
13  { alert("Please Select Gender");
14    return false;}
15  if(d==" " || d==0)
16  { alert("Please Enter a Valid E-
   mail");
17    return false;}
18  if(d==" " || d==0 ||
   d.length<10)
19  { alert("Please Enter a Valid
   Number");
20    return false;}
21  if(c==" ")
22  { alert("Please Enter a valid
   address");
23    return false;}
24  }
25
```

Registration Form



Username:

Password:

Personal details

First Name:

Last Name:

Gender

☐ Male

☐ Female

☐ Others

Contact Info

E-mail:

Mobile No:

Address

Permanent Address:

Type your permanent address here

Correspondence Address:

Type your correspondence address here

Submit

Clear



```
#a = input("enter the number");  
a=2;  
fruit = [a*1,a*2,a*3,a*4,a*5,a*6,a*7,a*9,a*10]  
for x in fruit:  
    print(x)
```



```
2  
4  
6  
8  
10  
12  
14  
18  
20
```





10). Use Python Libraries like Math statistics to create pr...

<>



```
print("This is a program to plot a graph between axes:-")
import matplotlib.pyplot as plt
k = int(input("Enter the number of elements:"))
print("Enter the elements to be plotted on the x-axis:")
x=[]
print("Please select the type of input:")
print("0 for integer value")
print("1 for strings")
print("2 for float value")
choice1 = int(input())
if choice1==0:
    for i in range(0,k):
        element= int(input())
        x.append(element)
elif choice1==1:
    for i in range(0,k):
        element= input()
        x.append(element)
elif choice1==2:
    for i in range(0,k):
        element= float(input())
        x.append(element)
else :
    print("Invalid Choice")
print("Enter the elements to be plotted on the y-axis:")
y=[]
print("Please select the type of input:")
print("0 for integer value")
print("1 for strings")
print("2 for float value")
choice2 = int(input())
if choice2==0:
    for i in range(0,k):
        ele= int(input())
        y.append(ele)
elif choice2==1:
```

```

for i in range(0,k):
    ele= input()
    y.append(ele)
elif choice2==2:
    for i in range(0,k):
        ele= float(input())
        y.append(ele)
else :
    print("Invalid Choice")
plt.plot(x,y)
n=input("X label:")
m=input("Y label:")
g=input("Graph Title:")
plt.xlabel(n)
plt.ylabel(m)
plt.title(g)
plt.show()

```

This is a program to plot a graph between axes:-
 Enter the number of elements:3
 Enter the elements to be plotted on the x-axis:
 Please select the type of input:
 0 for integer value
 1 for strings
 2 for float value
 0
 1
 2
 3
 Enter the elements to be plotted on the y-axis:
 Please select the type of input:
 0 for integer value
 1 for strings
 2 for float value
 0
 1
 2
 3
 X label:1
 Y label:2
 Graph Title:lol

