Application Programming Practical File



Submitted By:

Name: Ansh Tyagi

Branch: IT

Roll Number: 11912079

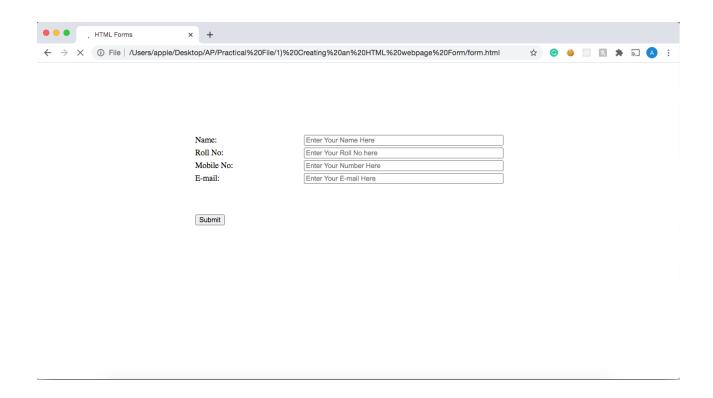
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Program 1. Creating a HTML Page Form

Code:

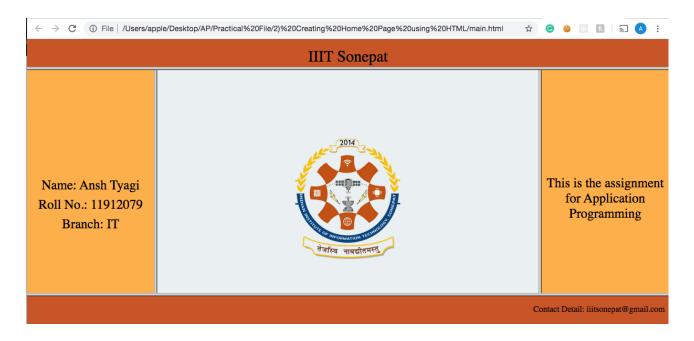
```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="utf-8">
<title>HTML Forms</title>
<style >
body{ background-color : white; }
.success{ margin :0px 300px 200px 300px ;
 .container{ margin : auto;
 background-color: white;}
input[type=text],input[type=email]{ width : 90%;
.body{ padding : 20px;
 text-align :center;
</style>
</head>
<body>
<div class="body">
 <img src="http://iiitsonepat.ac.in/iiits-content/uploads/2019/06/logonew.png" alt="logo" width="60%">
<div class="success">
<form class="" method="post">
<div class="container">
 Name:
   input type="text" placeholder="Enter Your Name Here" required>br>
  Roll No:
    <input type="text" placeholder="Enter Your Roll No here" required>
  Mobile No:
   + required >
  >
  E-mail:
  <input type="email" placeholder="Enter Your E-mail Here" required>
   >
<center>
 </center>
</div>
</form>
</div>
</body>
</html>
```



Program 2: Creating HomePage using HTML

Code:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Frameset//EN" "http://www.w3.org/TR/html4/frameset.dtd">
<html>
<head>
        <title></title>
</head>
<frameset rows="10%, 80%, 10%">
       <frame name="top" src="/Users/apple/Desktop/AP/top.html" />
       <frame name="middle" src="/Users/apple/Desktop/AP/frame1.html" />
       <frame name="bottom" src="/Users/apple/Desktop/AP/bottom.html" />
</frameset>
</html>
top.html:
<!DOCTYPE html>
<html>
<head>
       <title></title>
</head>
<body><br/>body bgcolor="#c85528"></br>
        <center>IIIT Sonepat</center>
</body>
</html>
frame1.html
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Frameset//EN" "http://www.w3.org/TR/html4/frameset.dtd">
<html>
<head>
       <title></title>
</head>
<frameset cols="20%, 60%, 20%">
       <frame name="details" src="/Users/apple/Desktop/AP/details.html"></frame>
       <frame name="image" src="/Users/apple/Desktop/AP/img.html"></frame>
       <frame name="assignment" src="/Users/apple/Desktop/AP/assignment.html">/frame>
</frameset>
</html>
bottom.html:
<!DOCTYPE html>
<html>
<head>
       <title></title>
</head>
<body bgcolor="c85528">
        Contact Detail: iiitsonepat@gmail.com
</body>
</html>
```



Program 3:Creating XHTML and CSS and understanding its use in creating web pages

```
Code:
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html lang="en" dir="ltr">
 <head>
  <title>Registration Form</title>
  <link rel="stylesheet" href="style.css">
 </head>
 <body>
<center><img src="logo.png" width="50%" height="100px"></center>
  <div class="acc">
   <h1>Create Your Account</h1>
  </div>
  <div>
    <div class="dv">
<form method="post">
 <label>First Name</label>
  <input type="text" placeholder="Enter your Firstname here">
  <label for="">Last Name</label>
  <input type="text" placeholder="Enter your Lastname here">
 <br>
 <div>
  <label class="abc"><b>E-mail:</b></label>
<input type="email" placeholder="Enter your email here">
<br>
<label class="abc">Gender:</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
<br>
 </div>
 <hr>
 <input type="submit" value="Register">
  <input type="reset" value="Clear">
 </form>
</div>
</div>
</body>
</html>
```

```
stylesheet.css:

.dv{ background-color:#4a4646;
    margin: 0px 300px 300px 300px;}
    .abc{margin-left: 60px;}

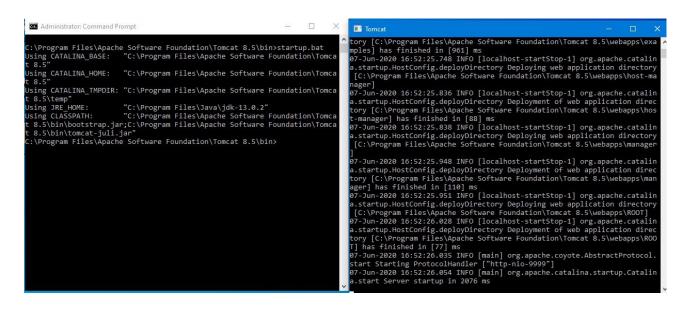
input[type=email]{width:50%;
    margin-left: 60px;
}

body{background-color:#212020}
.acc{
    color: white;
    text-align: center;
    text-shadow: 5px;
    padding: 2px;
    margin: auto;}
```



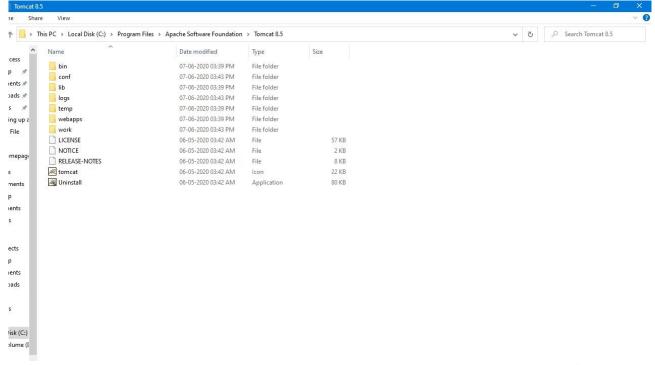
Program 4: Setting up and configuration of Apache Tomcat server

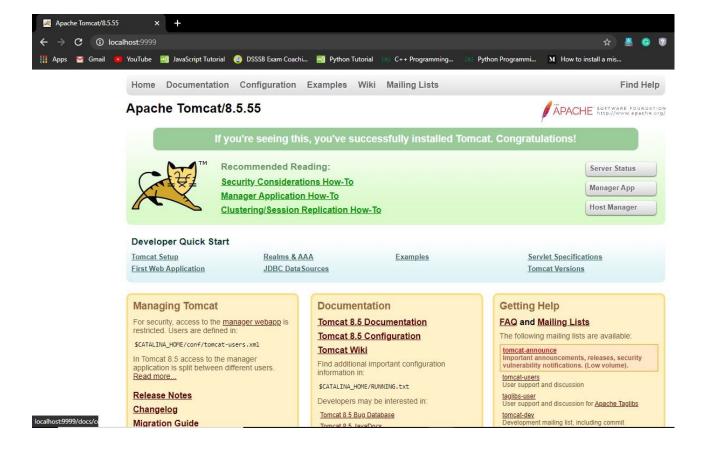
STEPS:



<!-- 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>
```





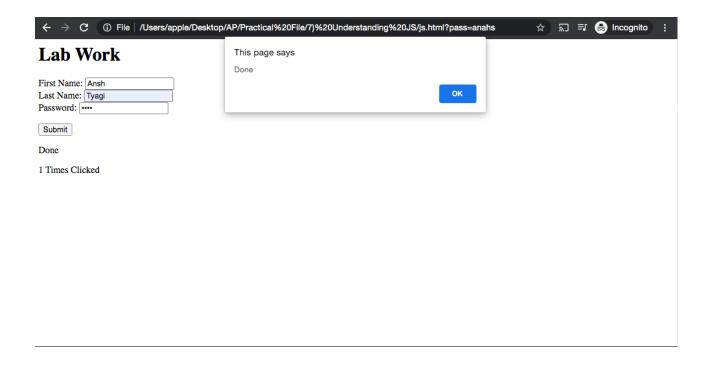
Program 5: Creating Websites using PHP

```
Code:
<html>
<body>
<php
    $a = 2;

for( $i = 1; $i <= 10; $i ++ ) {
    $temp = $a * $i;
    echo("$a * $i = $temp");
    echo("<br/>);
}
?>
</body>
</html>
```

Program 6: Understanding JS

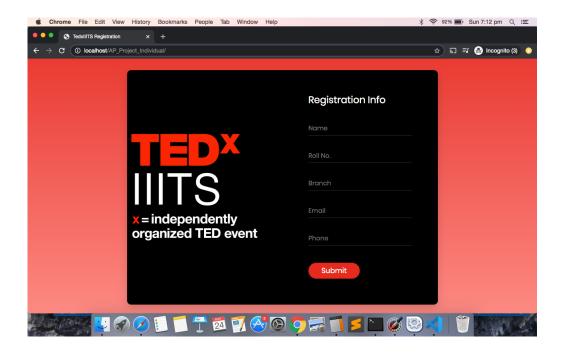
```
Code:
<html>
  <head>
    <title>Lab Work</title>
    <div class="jumbotron text-center">
   <h1>Lab Work</h1>
  </div>
  <div class='container'>
    <form class="form-horizontal" name=form onsubmit="validateForm()">
     <div class="form-group">
        <label>First Name:</label>
        <input type='text' class='form-control' id='fname'>
      </div>
     <div class = 'form-group'>
       <a href="mailto:</a>Last Name:</a>
        <input type="text" class='form-control' id='lname'>
     </div>
     <div class="form-group">
        <label>Password:</label>
        <input type='password'class='form-control' id='pwd' name ="pass" required>
        </div>
     <button type="submit" class="btn btn-default" id="submit">Submit/button>
     NOT SUBMITTED
     </form>
  </div>
  <script>
   var submit = document.querySelector("#submit")
   var num_pressed = 0;
   var dis = document.querySelector("#num")
   dis.textContent = "0 times clicked"
    submit.addEventListener("click", function(){
     num_pressed++;
     dis.textContent = num_pressed + " Times Clicked";
     document.getElementById("state").innerHTML = "Done";
     alert("Done");
   })
   function validateForm(){
     var x = document.forms['form']['pass'].value;
     if(x==""){
        alert("error");
        return false;
  </script>
</html
```

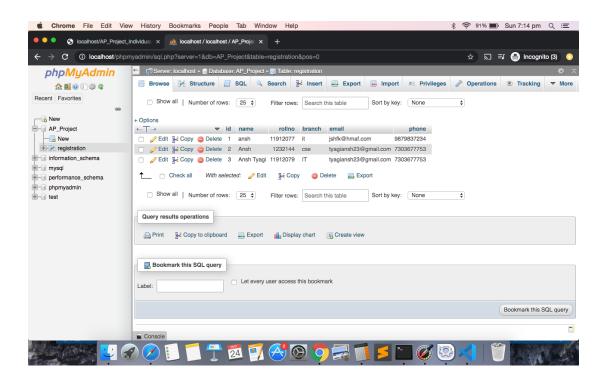


Program 7: Creating a Web Page BackEnd in PHP and FrontEnd in JS

```
Code:
<!DOCTYPE html>
<html lang="en">
<head>
  <!-- Required meta tags-->
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <!-- Title Page-->
  <title>TedxIIITS Registration</title>
  <!-- Icons font CSS-->
  k href="vendor/mdi-font/css/material-design-iconic-font.min.css" rel="stylesheet" media="all">
  k href="vendor/font-awesome-4.7/css/font-awesome.min.css" rel="stylesheet" media="all">
  <!-- Font special for pages-->
    k href="https://fonts.googleapis.com/css?family=Poppins:100,100i,200,200i,300,300i,400,400i,500,500i,600,600i,600,600i
700,700i,800,800i,900,900i" rel="stylesheet">
  k href="vendor/select2/select2.min.css" rel="stylesheet" media="all">
  k href="vendor/datepicker/daterangepicker.css" rel="stylesheet" media="all">
  k href="style.css" rel="stylesheet" media="all">
</head>
<body>
  <div class="page-wrapper bg-gra-01 p-t-180 p-b-100 font-poppins">
    <div class="wrapper wrapper-w780">
       <div class="card card-1">
         <div class="card-heading"></div>
         <div class="card-body">
            <h2 class="title">Registration Info</h2>
            <form method="POST" action="server.php">
              <div class="input-group">
                 <input class="input-style" type="text" placeholder="Name" name="name">
              </div>
              <div class="input-group">
                 <input class="input-style" type="text" placeholder="Roll No." name="rollno">
              <div class="input-group">
                 <input class="input-style" type="text" placeholder="Branch" name="branch">
              <div class="input-group">
                 <input class="input-style" type="email" placeholder="Email" name="email">
              <div class="input-group">
                 <input class="input-style" type="text" placeholder="Phone" name="phone">
              </div>
              <div class="p-t-10">
                 <button class="btn btn-pill btn-red" type="submit">Submit</button>
              </div>
            </form>
         </div>
       </div>
     </div>
  </div>
</body>
</html>
```

```
server.php
<html>
<head>k rel="stylesheet" href="style.css"></head>
<body>
<div class="page-wrapper bg-gra-01 p-t-180 p-b-100 font-poppins">
<?php
  $name = $_POST["name"];
  $rollno = $_POST["rollno"];
  $branch = $_POST["branch"];
  $email = $_POST["email"];
  $phone = $_POST["phone"];
  $connection = new mysqli('localhost','root',",'AP_Project');
  if($connection->connect_error){
    die('Connection Failed');
  }
  else{
                     $stmt = $connection->prepare("Insert into
registration(name,rollno,branch,email,phone) values(?,?,?,?,?)");
    $stmt->bind_param("sissi",$name,$rollno,$branch,$email,$phone);
    $stmt->execute();
    $stmt->close();
    $connection->close();
  }
<center><button class="btn btn-pill btn-red">DONE!</button></center>
</div>
</body>
</html>
```





Program 8: Writing and understanding program in Python

```
Code:

def add(x,y):

   total = float(a)+float(b);
   return total

print("Enter two number:")

a = input()
b= input()
print(add(a,b));
```

```
apple — bash — 80×24

(base) APPLEs-MacBook-Pro:~ apple$ python /Users/apple/Desktop/AP/Practical\ File/9\)Writing\ and\ understanding\ program\ in\ Python/untitled.py
Enter two number:
2
3
5.0
(base) APPLEs-MacBook-Pro:~ apple$ ■
```

Program 9: Use Python Libraries like Math statistics to create programs for scientific calculations

```
Code:
from tkinter import *
class Calc:
  def __init__(self,master):
     self.master = master
     master.title("Python Calculator")
     self.screen = Text(master,state='disabled',width=30,height=3,background="white",foreground="blue")
     self.screen.grid(row=0,column=0,columnspan=4,padx=5,pady=5)
     self.screen.configure(state='normal')
     self.equation = "
     b1=self.createButton(7)
     b2=self.createButton(8)
     b3=self.createButton(9)
     b4=self.createButton(u"\u232B",None)
     b5=self.createButton(4)
     b6=self.createButton(5)
     b7=self.createButton(6)
     b8 = self.createButton(u"\u00F7")
     b9=self.createButton(1)
     b10=self.createButton(2)
     b11=self.createButton(3)
     b12=self.createButton('*')
     b13=self.createButton('.')
     b14=self.createButton(0)
     b15=self.createButton('+')
     b16=self.createButton('-')
     b17=self.createButton('=',None,40)
     buttons = [b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b13,b14,b15,b16,b17]
     count=0
     for row in range(1,5):
       for col in range(4):
          buttons[count].grid(row=row,column=col)
     buttons[16].grid(row=5,column =0,columnspan=4)
  def createButton(self,val,write=True,width=7):
     return Button(self.master,text=val,command=lambda:self.click(val,write),width=width,padx=5,pady=5)
  def click(self,text,write):
     if write ==None:
       if text == '=' and self.equation:
          self.equation=re.sub(u"\u00F7",'/',self.equation)
          print(self.equation)
          ans = str(eval(self.equation))
          self.clear_screen()
          self.insert_screen(ans,newline=True)
       elif text == u"\u232B":
          self.clear_screen()
       self.insert_screen(text)
  def clear_screen(self):
     self.equation="
     self.screen.configure(state='normal')
     self.screen.delete('1.0',END)
  def insert_screen(self,value,newline=False):
     self.screen.configure(state="normal")
     self.screen.insert(END.value)
     self.equation += str(value)
     self.screen.configure(state='disabled')
root = Tk()
my_gui = Calc(root)
root.mainloop()
```

