

**Assignment -2**  
Html, Python-Flask Programming

Assignment Date	08 November 2022
Student Name	Rajesh Kumar J
Student Roll Number	961819104069
Maximum Marks	2 Marks

**Question-1:**

Create form of type input text, email, password, radio button text Area, drop down and navigate to success page and display files of form in table (CSS, HTML) html file

**Solution\_ :**

```
<html>
<head>
<title>
    Assignment 2
</title>
<div class="banner">
<div>
<center><h1 style="color:white;"><strong> Welcome
All!!</strong></h1></center>
</div>
</div>
<style> .banner {
background-image:
    url(https://media.istockphoto.com/photos/clear-night-sky-with-milky-wayand-huge-amount-of-stars-pictureid1287456867?k=20&m=1287456867&s=170667a&w=0&h=EiLhEdoPrGpeQLAbg0F472ikBX9VPphbKqv6yr1Nel=);
    }
</style>
</head>
<body>
<center>
<h1><b>Registration Form<b></h1><br>
<form action="tth.html" method="post">
<table>
<tr>
<td><b>Name<b></td>
<td><b>:</b></td>
</tr>
<td>
<input type="text" name="n1"required>
```

```
</td>
</tr>
<tr>
<td><b>Password</b></td>
<td><b>:</b></td>
<td><input type="password" name="pwd" required></td>
</tr>
<tr>
<td><b>Email</b></td>
<td><b>:</b></td>
<td><input type="email" id="email" required></td>
</tr>
<tr><td><b>Gender</b></td>
<td><b>:</b></td>
<td><input type="radio" name="1" value="male">Male</td>
<td><input type="radio" name="1" value="female">Female</td>
</tr>
<tr>
<td><b>Date Of Birth</b></td>
<td><b>:</b></td>
<td><input type="date" name="t1"></td>
</tr>
<tr><td><b>Residential Address</b></td>
<td><b>:</b></td>
<td><textarea id="h1" name="r1" rows="5" cols="50" required>
</textarea></td></tr>
<tr>
<td><b>Permanent Address</b></td>
<td><b>:</b></td>
<td><textarea id="h2" name="r2" rows="5" cols="50" required>
</textarea></td>
</tr>
<tr>
<td><b>State</b></td>
<td><b>:</b></td>
<td><input type="text" name="e1" required></td>
</tr>
<tr>
<td><b>Country</b></td>
<td><b>:</b></td>
<td><input type="text" name="e2" required></td>
</tr>
<tr>
<td><b>College Name</b></td>
<td><b>:</b></td>
```

```

<td><textarea id="h1" name="r1" rows="2" cols="50" required>
</textarea></td></tr>
<tr><td><b>Field Of Study</b></td>
<td><b>:</b></td>
<td><select name="Field of Study">
<option value="Arts and Science">Arts and Science</option>
<option value="Medicine">Medicine</option>
<option value="Engineering">Engineering</option>
<option value="Other">Other</option>
</select></td>
</tr>
<tr>
<td><b>Year Of Studying</b></td>
<td><b>:</b></td>
<td><select name="Year of Studying">
<option value="I YEAR">I YEAR</option>
<option value="II YEAR">II YEAR</option>
<option value="III YEAR">III YEAR</option>
<option value="IV YEAR">IV YEAR</option>
<option value="Other">Other</option>
</select>
</td>
</tr>
<tr><td><b>Percentage of Pervious Year</b></td>
<td><b>:</b></td>
<td><input type="number" name="n1">
</td>
</tr>
<tr><td><b>Ambition</b></td>
<td><b>:</b></td>
<td><textarea id="a1" row="2" cols="20" required>
</textarea></td>
</tr>
<tr><td><b>Field Of Interest</b></td>
<td><b>:</b></td>
<td><textarea id="a1" row="2" cols="20" required>
</textarea></td>
</tr>
<tr>
<td><b>Declaration</b></td>
<td><b>:</b></td>
<td><input type="radio" name="r1" value="m1">"Hereby I declare that the information
given above are true to my knowledge"</td>
</tr><br><br>
<tr>
<td align=center><input type="Submit" value="Submit"></td>

```

```

<td>
<input type="Reset" value="Clear"></td></tr>
</table></form></center>
</body>
</html>

```

### Navigated Page:

#### tth.html:

```

<html>
<head>
<title>Navigated Page</title>
</head>
<body>
<center><h1><b>"Thank You For Entering the Details"</b></h1>
<h2><b>Your Registration is successful and details were recorded</b></h2>
</center>
</body>
</html>

```

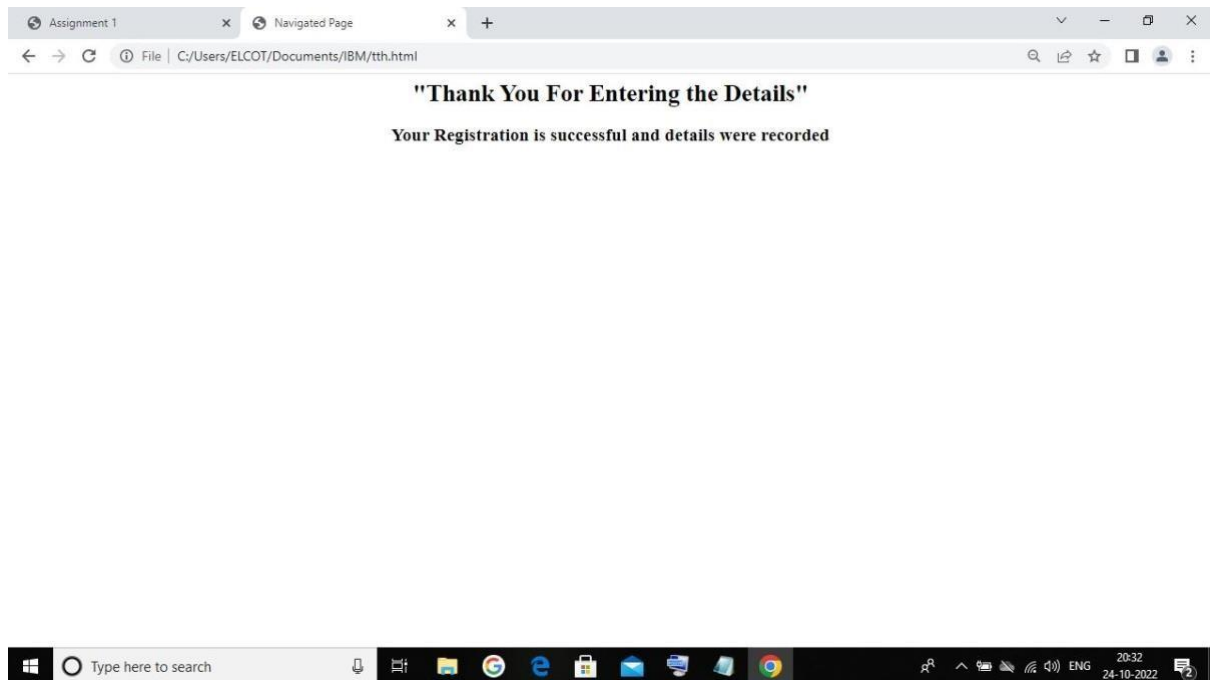
### Output:

The screenshot shows a web browser window with two tabs: 'Assignment 1' and 'Assignment 2'. The active tab is 'Assignment 2', displaying a file named 'C:/Users/ELCOT/Documents/IBM/Assg-2.html'. The browser's address bar shows the file path. The webpage has a dark blue header with the text 'Welcome All!!' and a title 'Registration Form'. The form itself is white and contains the following fields and controls:

- Name**: Text input field.
- Password**: Text input field.
- Email**: Text input field.
- Gender**: Radio buttons for 'Male' and 'Female'.
- Date Of Birth**: Text input field with a date picker icon.
- Residential Address**: Text area.
- Permanent Address**: Text area.
- State**: Text input field.
- Country**: Text input field.
- College Name**: Text input field.
- Field Of Study**: Dropdown menu with 'Arts and Science' selected.
- Year Of Studying**: Dropdown menu with '1 YEAR' selected.
- Percentage of Pervious Year**: Text input field.
- Ambition**: Text input field.
- Field Of Interest**: Text input field.
- Declaration**: Radio button for 'Hereby I declare that the information given above are true to my knowledge'.
- Submit**: Button.
- Clear**: Button.

The Windows taskbar is visible at the bottom, showing the search bar and various application icons.

### Navigated Page:



### **Question-2:**

Create form of type input text, email, password, radio button text Area, drop down and navigate to success page and display files of form in table (CSS, HTML) html file

For CSS create external style sheet for above task (separate CSS file and link that in html)

### **Solution\_ :**

```
<html>
<head>
<title>
    Assignment 2
</title>
<div class="banner">
<div>
<center><h1 style="color:white;"><strong> Welcome
All!!</strong></h1></center>
</div>
</div>
<link rel="stylesheet" type="text/css" href="externalcss.css">
</head>
<body>
<center>
```

```
<h1><b>Registration Form<b></h1><br>
<form action="tth.html" method="post">
<table>
  <tr>
    <td><b>Name<b></td>
    <td><b>:<b>
  </td>
  <td>
    <input type="text" name="n1" required>
  </td>
</tr>
  <tr>
    <td><b>Password<b></td>
    <td><b>:<b>
    <td><input type="password" name="pwd" required></td>
  </tr>
  <tr>
    <td><b>Email<b></td>
    <td><b>:<b>
    <td><input type="email" id="email" required></td>
  </tr>
  <tr>
    <td><b>Gender<b></td>
    <td><b>:<b>
    <td><input type="radio" name="1" value="male">Male</td>
    <td><input type="radio" name="1" value="female">Female</td>
  </tr>
  <tr>
    <td><b>Date Of Birth<b></td>
    <td><b>:<b>
    <td><input type="date" name="t1"></td>
  </tr>
  <tr>
    <td><b>Residential Address<b></td>
    <td><b>:<b>
    <td><textarea id="h1" name="r1" rows="5" cols="50" required>
  </textarea></td></tr>
  <tr>
    <td><b>Permanent Address<b></td>
    <td><b>:<b>
    <td><textarea id="h2" name="r2" rows="5" cols="50" required>
  </textarea></td>
  </tr>
  <tr>
    <td><b>State<b></td>
    <td><b>:<b>
    <td><input type="text" name="e1" required></td>
```

```

</tr>
<tr>
<td><b>Country</b></td>
<td><b>:</b></td>
<td><input type="text" name="e2" required></td>
</tr>
<tr>
<td><b>College Name</b></td>
<td><b>:</b></td>
<td><textarea id="h1" name="r1" rows="2" cols="50" required>
</textarea></td></tr>
<tr><td><b>Field Of Study</b></td>
<td><b>:</b></td>
<td><select name="Field of Study">
<option value="Arts and Science">Arts and Science</option>
<option value="Medicine">Medicine</option>
<option value="Engineering">Engineering</option>
<option value="Other">Other</option>
</select></td>
</tr>
<tr>
<td><b>Year Of Studying</b></td>
<td><b>:</b></td>
<td><select name="Year of Studying">
<option value="I YEAR">I YEAR</option>
<option value="II YEAR">II YEAR</option>
<option value="III YEAR">III YEAR</option>
<option value="IV YEAR">IV YEAR</option>
<option value="Other">Other</option>
</select>
</td>
</tr>
<tr><td><b>Percentage of Pervious Year</b></td>
<td><b>:</b></td>
<td><input type="number" name="n1">
</td>
</tr>
<tr><td><b>Ambition</b></td>
<td><b>:</b></td>
<td><textarea id="a1" row="2" cols="20" required>
</textarea></td>
</tr>
<tr><td><b>Field Of Interest</b></td>
<td><b>:</b></td>
<td><textarea id="a1" row="2" cols="20" required>
</textarea></td>

```

```

</tr>
<tr>
<td><b>Declaration</b></td>
<td><b>:</b></td>
<td><input type="radio" name="r1" value="m1">"Hereby I declare that the information
given above are true to my knowledge"</td>
</tr><br><br>
<tr>
<td align=center><input type="Submit" value="Submit"></td>
<td>
<input type="Reset" value="Clear"></td></tr>
</table></form></center>
</body>
</html>

```

### Navigated Page:

#### **tth.html:**

```

<html>
<head>
<title>Navigated Page</title>
</head>
<body>
<center><h1><b>"Thank You For Entering the Details"</b></h1>
<h2><b>Your Registration is successful and details were recorded</b></h2>
</center>
</body>
</html>

```

### External Css:

#### **Externalcss.css**

```

<style> .banner {
background-image:
url(https://media.istockphoto.com/photos/clear-night-sky-with-milky-wayand-huge-amount-of-stars-pictureid1287456867?k=20&m=1287456867&s=170667a&w=0&h=EiLhEdoPrGpeQLAbg0F472ikBX9VPphbKqv6yr1NeI=);
}
</style>

```

### **Output:**



Assignment 1 x Assignment 2 x +

File | C:/Users/ELCOT/Documents/IBM/Assg-2.html

Welcome All!!

### Registration Form

Name :

Password :

Email :

Gender : ☐ Male ☐ Female

Date Of Birth :

Residential Address :

Permanent Address :

State :

Country :

College Name :

Field Of Study :

Year Of Studying :

Percentage of Pervious Year :

Ambition :

Field Of Interest :

Declaration : ☐ "Hereby I declare that the information given above are true to my knowledge"

Type here to search

20:20 24-10-2022

### Navigated Page:

Assignment 1 x Navigated Page x +

File | C:/Users/ELCOT/Documents/IBM/tth.html

### "Thank You For Entering the Details"

Your Registration is successful and details were recorded

Type here to search

20:32 24-10-2022

### Question -3:

Create sample program for Flask HTTP methods (list or map and Perform operations of PUT, GET, DELETE and POST.

## Solution:

### Flask program:

```
from flask import Flask,redirect,url_for,request

app=Flask(__name__)

@app.route('/success/<name>') def
success(name):

    return 'welcome %s' %name

@app.route('/login',methods=['POST','GET'])

def login(): if request.method=='POST':

    user = request.form['nm']

    return redirect(url_for('success',name=user))

else:

    user=request.args.get('nm')

    return redirect(url_for('success',name=user))

if __name__=='__main__':

    app.run(debug=True)
```

### login.html:

```
<html>
<body>
<form action="#" method="post">
<p>Name:</p>
<p><input type="text" name="nm" /></p>
<p><input type="submit" value="submit"/></p>
</form>
</body>
</html>
```

### Output:

