

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

Assignment Date	08 November 2022
Student Name	Alan Pramil.J.S
Student Roll Number	961819104009
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>
<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">
</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>

```

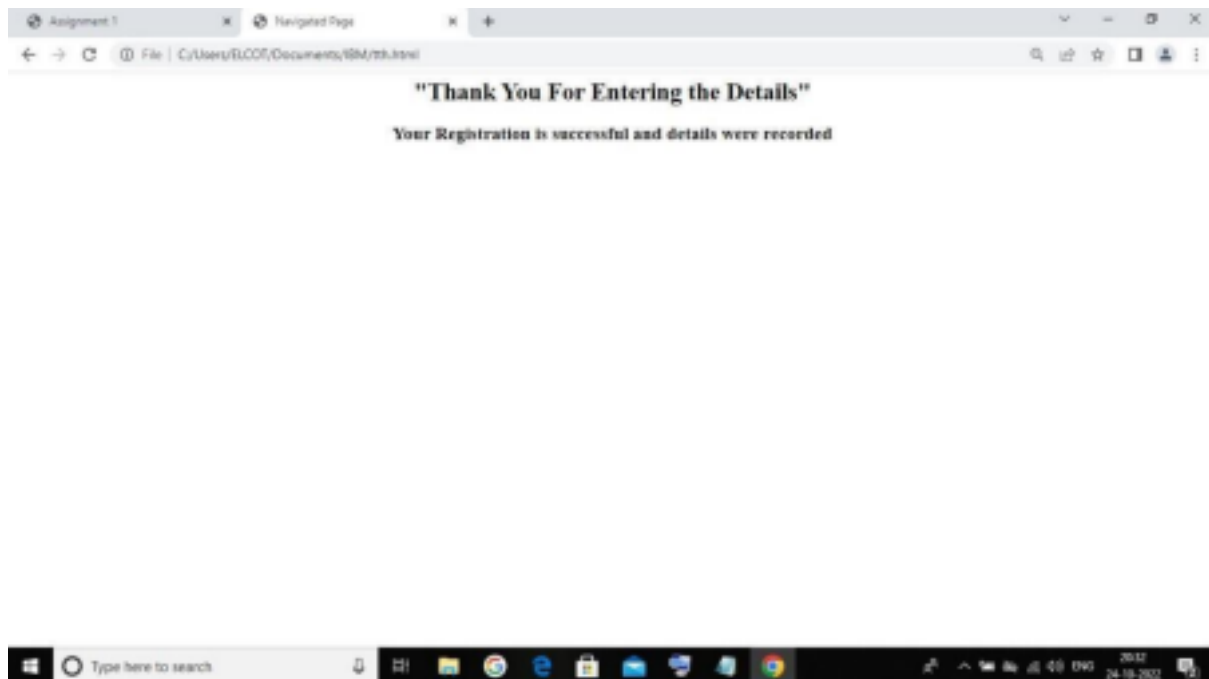
### Output:

The screenshot shows a web browser window with two tabs: 'Assignment 1' and 'Assignment 2'. The address bar shows the file path 'C:/Users/ELCOT/Documents/ITEM/Assg-2.html'. The page has a dark blue header with the text 'Welcome All!!' in white. Below the header is a section titled 'Registration Form' in bold. The form contains the following fields and options:

- Name: Text input field
- Password: Text input field
- Email: Text input field
- Gender: Radio buttons for 'Male' and 'Female'
- Date Of Birth: Date picker (dd-mm-yyyy)
- 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 (currently showing 'Arts and Science')
- Year Of Studying: Dropdown menu (currently showing '1 YEAR')
- Percentage of Previous Year: Text input field
- Ambition: Text input field
- Field Of Interest: Text input field
- Declaration: Radio button for 'I hereby declare that the information given above are true to my knowledge'
- Buttons: 'Submit' and 'Clear'

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>
<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>

```

### 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:

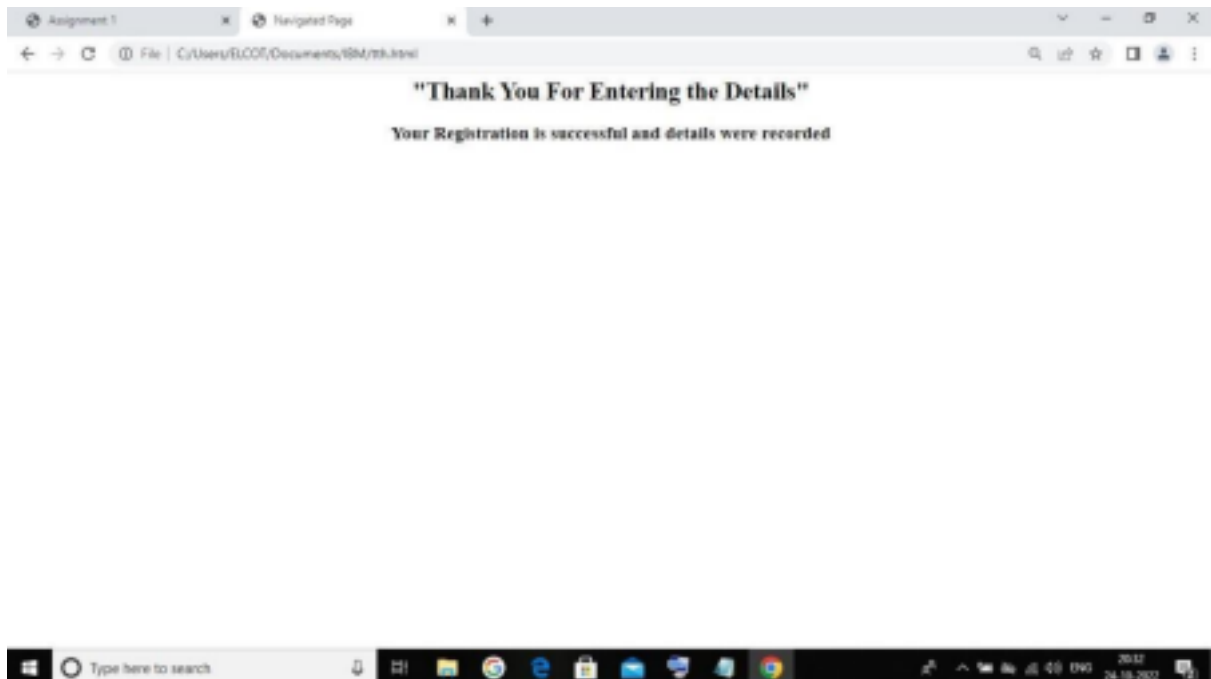
The screenshot shows a web browser window with two tabs: 'Assignment 1' and 'Assignment 2'. The address bar shows the file path 'C:\Users\BLOOF\Documents\SEM\Assign-2.html'. The page has a dark blue header with the text 'Welcome All!!' and a title 'Registration Form'. The form itself is white and contains 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 calendar icon
- Residential Address: Text input field
- Permanent Address: Text input field
- State: Text input field
- Country: Text input field
- College Name: Text input field
- Field Of Study: Dropdown menu
- Year Of Studying: Dropdown menu
- Percentage of Previous Year: Text input field
- Academic: Text input field
- Field Of Interest: Text input field
- Declaration: Text input field with a checkbox and the text 'I declare that the information given above are true to my knowledge'
- Buttons: 'Submit' and 'Clear'

The Windows taskbar at the bottom shows the date and time as '24-10-2022 19:43'.

### Navigated Page:





### 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:

