Assignment -1

Assignment Date	19 September 2022
Student Name	Naveen p
Student Roll Number	737819ECR115
Maximum Marks	2 Marks

Question-1:

Create registration page in html with username, email and phone number and by using POST method display it in next html page.

app.py

```python
from flask import Flask, request, render_template


app = Flask(__name__)

app.config['DEBUG'] = True




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

def login():

    name = request.form['name']

    mobile = request.form['mobile']

    email = request.form['email']

    return f'{name} register mobile num as {mobile} and email as {email}'




@app.route('/')

def home():

    return render_template('index.html')




if __name__ == '__main__':

    app.run()
```

```html
<!DOCTYPE html>

<html lang="en">


<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Simple Reistration Form</title>

    <link rel="stylesheet" href="{{ url_for('static', filename='index.css') }}">

</head>


<body>

    <form method="POST" action="http://127.0.0.1:5000/login">

        <div class="container">

            <h1>Registration Form</h1>

            <p>Enter your details to create an account.</p>


            <label><b>Username</b></label>

            <input type="text" name="name" placeholder="Enter Username" required>

            <label><b>Email</b></label>

            <input type="email" placeholder="Enter Email" name="email" required>


            <label><b>Phone Number</b></label>

            <input type="phone" name="mobile" placeholder="812345678" required>


            <div class="clearfix">
```

```html
            <button type="submit" class="btn">Register</button>

          </div>

        </div>

      </form>

  </body>



  </html>
```

static/index.css:

```css
@import
url('https://fonts.googleapis.com/css?family=Montserrat:400,500&display=swap')
;


body {

  font-family: Montserrat,Arial, Helvetica, sans-serif;

  background-color:#7de4e4;

}
* {box-sizing: border-box}


.container {

    padding: 20px;

      width:500px;

    position: absolute;

    left: 50%;

    top: 50%;

    transform: translate(-50%, -50%);

      border:1px solid #ccc;

      border-radius:10px;

      background:rgb(231, 226, 226);
```

```css
    -webkit-box-shadow: 2px 1px 21px -9px rgba(0,0,0,0.38);

    -moz-box-shadow: 2px 1px 21px -9px rgba(0,0,0,0.38);

    box-shadow: 2px 1px 21px -9px rgba(0,0,0,0.38);

    }


input[type=text], input[type=email], input[type=phone] {

    width: 100%;

    padding: 15px;

    margin: 5px 0 22px 0;

    display: inline-block;

    border: none;

    background: #f7f7f7;

    font-family: Montserrat,Arial, Helvetica, sans-serif;

}
select {

    width: 18%;

    padding: 15px;

    margin: 5px 0 22px 0;

    display: inline-block;

    border: none;

    background: #f7f7f7;

    font-family: Montserrat,Arial, Helvetica, sans-serif;

}


input[type=text]:focus, input[type=password]:focus, input[type=phone]:focus,
select:focus {

    background-color: #ddd;

    outline: none;

}
```
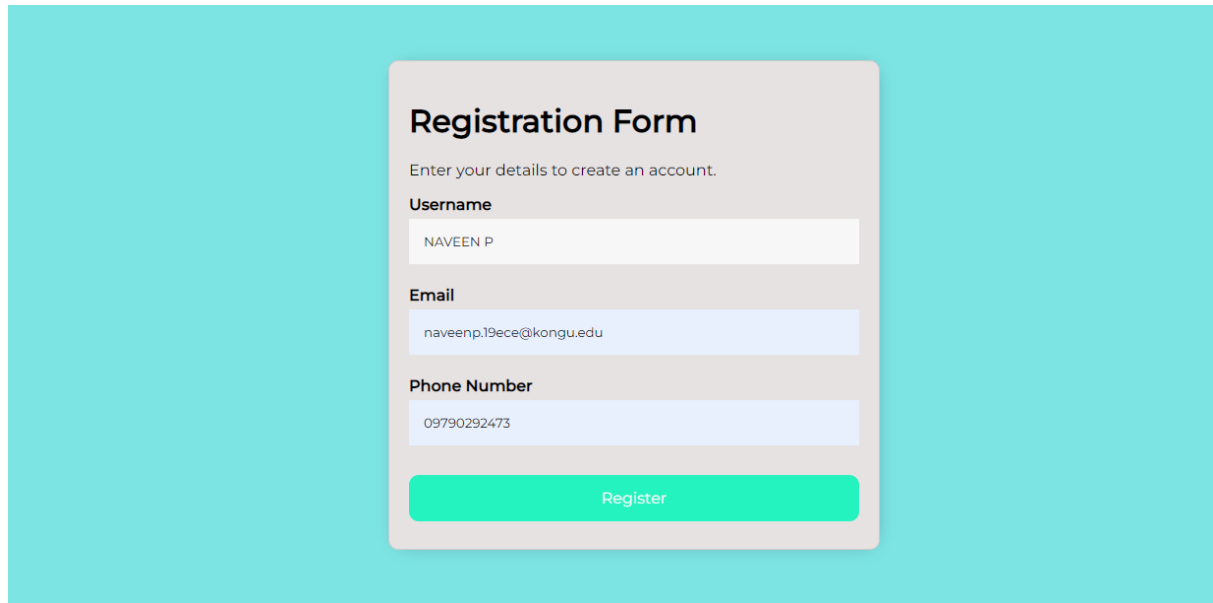
```css
button {

  background-color: #0ef4bb;

  color: white;

  padding: 14px 20px;

  margin: 8px 0;

  border: none;

  cursor: pointer;

  width: 100%;

  opacity: 0.9;

  font-size:16px;

  font-family: Montserrat,Arial, Helvetica, sans-serif;

  border-radius:10px;

}


button:hover {

  opacity:1;

}



@media screen and (max-width: 300px) {

  .signupbtn {

    width: 100%;

  }

}
```

Registration Form

Enter your details to create an account.

Username

NAVEEN P

Email

naveenp.19ece@kongu.edu

Phone Number

09790292473

Register

127.0.0.1:5000/login

coursera   Notes | twitter   LinkedIn

NAVEEN P register mobile num as 09790292473 and email as naveenp.19ece@kongu.edu

Question-2:

Develop a flask program which should contain at least 5 packages used from pypi.org.

app.py

```python
from flask import Flask

import pandas as pd
import numpy as np
import datetime as dt
from flask_cors import CORS
from scipy import constants

app = Flask(__name__)
CORS(app)
app.config['DEBUG'] = True

@app.route('/')
def home():
    # Pandas
    print('---------------------------------------------------------------------')
    a = [1, 7, 2]
    myvar = pd.Series(a)
    print(myvar)

    # Numpy
    print('---------------------------------------------------------------------')
    arr = np.array([1, 2, 3, 4, 5])
    print(arr)
    print(type(arr))

    # Datetime
    print('---------------------------------------------------------------------')
    today = dt.date.today()
    print(today)

    # Scipy
    print('---------------------------------------------------------------------')
    print(constants.liter)
```
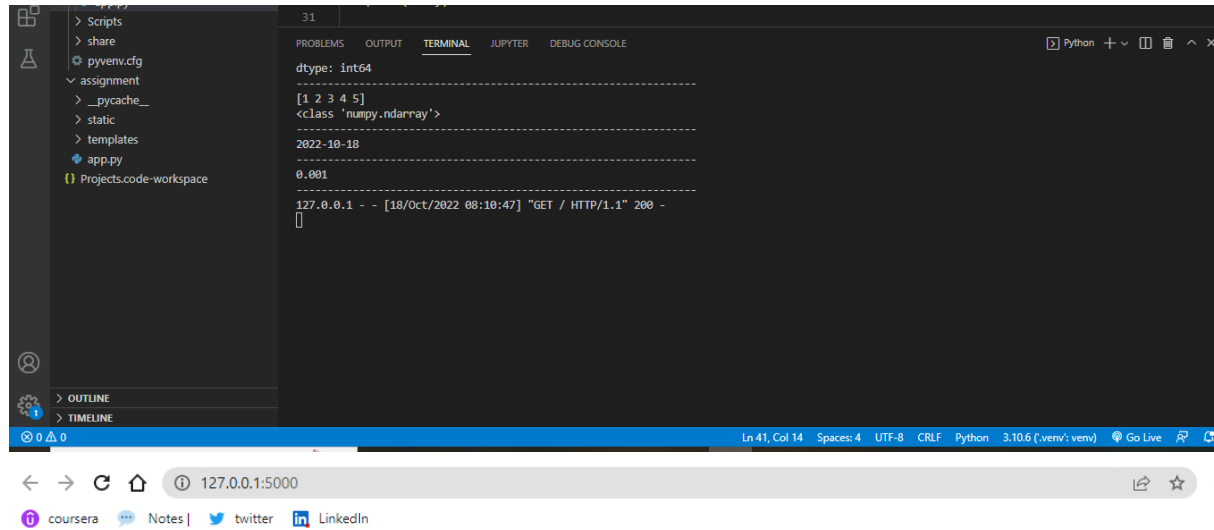
```python
    print('----------------------------------------------------------------')

    return '5 packages used<br/>Pandas Numpy DateTime Scipy Flask-Cors'


if __name__ == '__main__':
    app.run()
```

output:

5 packages used
Pandas Numpy DateTime Scipy Flask-Cors