

Assignment -1
Python Programming

Assignment Date	19 September 2022
Student Name	Arthy N
Student Roll Number	621319104004
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.

Solution:

home.html

```
<!DOCTYPE html>

<html>

<head>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Registration page</title>


  <style type="text/css">

    body{

      background-color: rgb(95, 179, 235);

    }

    table{

      font-size: 24px;

      border-collapse: separate;

      border-spacing: 12px;

    }

    table input{

      border: none;

      width: 230px;

      height: 25px;
```

```
border-radius:3px;
font-size: 20px;
}
</style>
</head>
<body>
<center>
<br><br>
<h1>Registration</h1><br>
<form action="{{ url_for('output') }}" method="post">
<table>
<tr>
<td>
<label>Name</label>
</td>
<td>
<input type="text" class="name-input name mb-3" id="name" name="name">
</td>
</tr>
<tr>
<td>
<label>Email</label>
</td>
<td>
<input type="email" class="name-input name mb-3" id="email" name="email">
</td>
</tr>
<tr>
<td>
<label>Mobile</label>
```

```

</td>

<td>

    <input type="number" class="name-input name mb-3" id="mobile" name="mobile">

</td>

</tr>

</table><br><br>

<input class="btn btn-outline-primary" type="submit" value="Submit">

</form>

</center>

</body>

</html>

```

output.html

```

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>UI Profile</title>


    <style type="text/css">

        body{

            background-color: rgb(0, 101, 252);

        }

        table{

            font-size: 24px;

            border-collapse: separate;

            border-spacing: 12px;

        }

    </style>

</head>

```

```

<body>

<center>

<br><br>

<h1>Welcome!!!</h1><br>

<form action="{{ url_for('result') }}" method="post">

<table>

<tr>

    <h3>Name : {{ name }}<br></h3>

</tr>

<tr>

    <h3>Email : {{ email }}<br></h3>

</tr>

<tr>

    <h3>Mobile : {{ mobile }}<br></h3>

</tr>

</table><br><br>

</form>

</center>

</body>

</html>

```

app.py

```

from flask import *;

import os

app = Flask(__name__)

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

def Home():

    if request.method == 'POST':

        name = request.form["name"]

        email= request.form["email"]

        mobile = request.form["mobile"]

```

```
        return redirect(url_for('output', name=name, email=email, mobile=mobile))

    return render_template('Home.html')

@app.route("/output", methods=['GET', 'POST'])
def output():

    name = request.form.get('name')

    email= request.form.get('email')

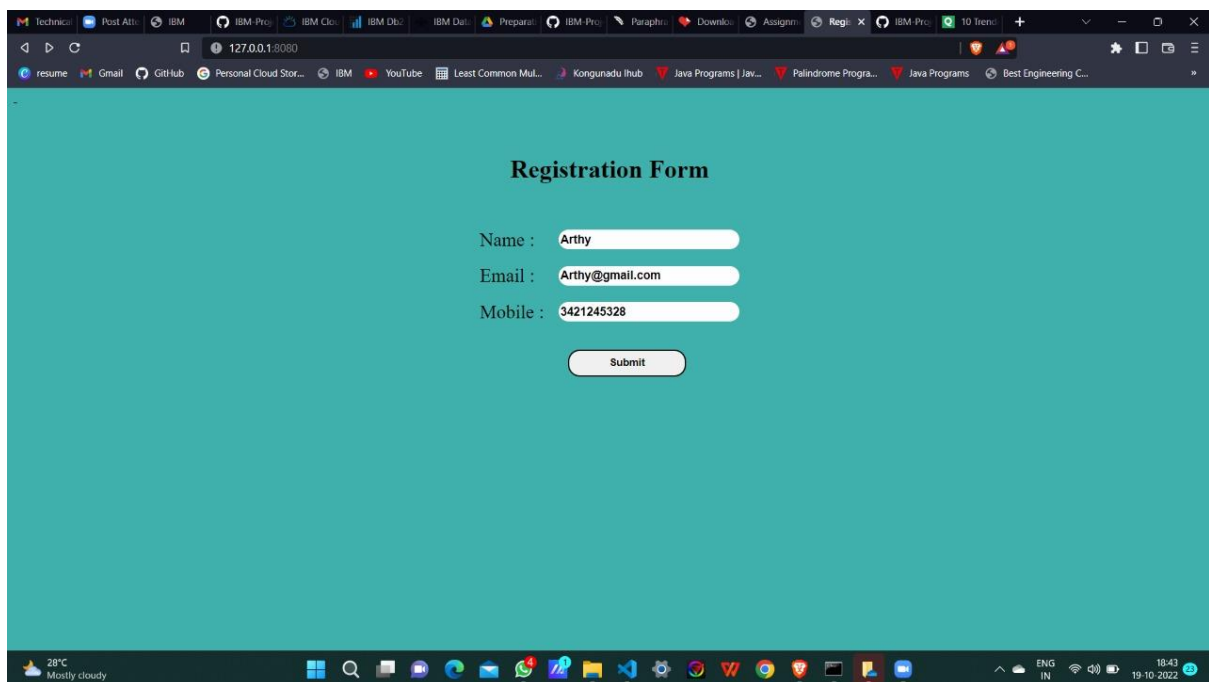
    mobile = request.form.get('mobile')

    return render_template('output.html', name=name, email=email, mobile=mobile)

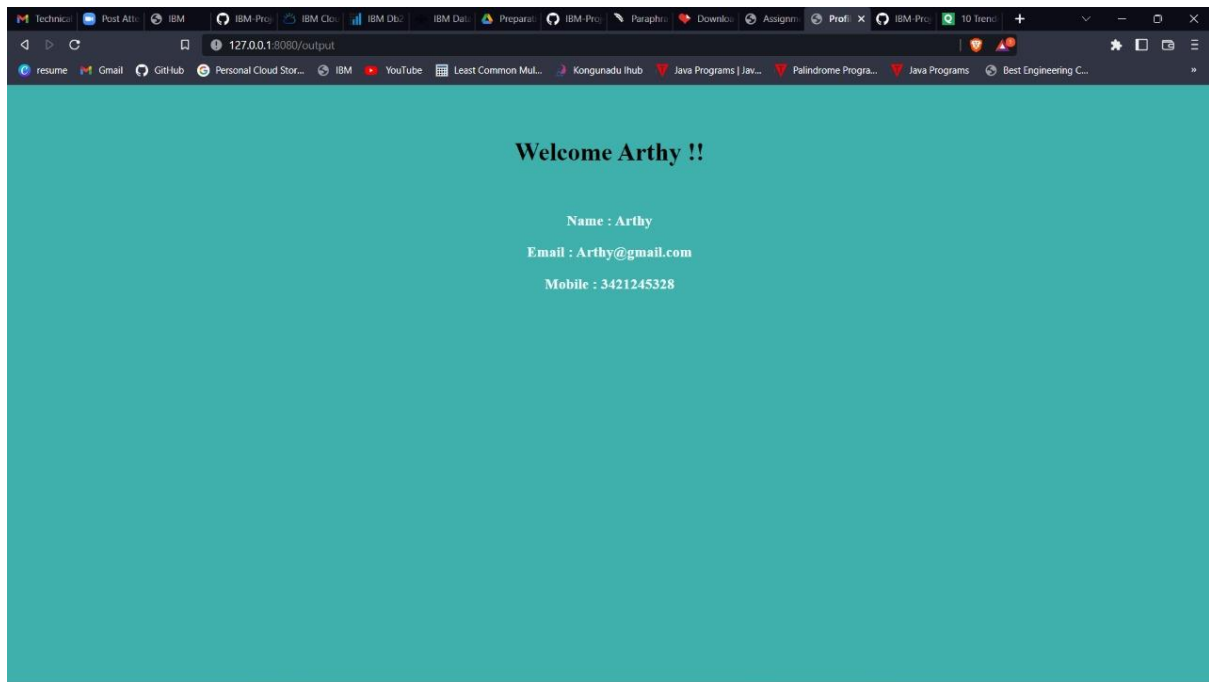
if __name__ == "__main__":

    app.run(debug=True, port=8080)
```

Output:



The screenshot shows a web browser window with a teal background. The title of the page is "Registration Form". Below the title, there are three input fields labeled "Name :", "Email :", and "Mobile :". The "Name" field contains the text "Arthy", the "Email" field contains "Arthy@gmail.com", and the "Mobile" field contains "9421245328". Below these fields is a "Submit" button. The browser's address bar shows the URL "127.0.0.1:8080". The Windows taskbar is visible at the bottom of the screen, showing the date and time as 18:43 on 19-10-2022.



Question-2:

Develop a flask program which should contain at least 5 packages used from pypi.org.
Suppose the following input is supplied to the program:

Solution:

```
def __init__(self, n):
    self.value = n

def val(self):
    return self.value

def add(self, n2):
    self.value += n2.val()

def __add__(self, n2):
    return self.__class__(self.value + n2.val())

def str__(self):
    return str(self.val())

@classmethod
def addall(cls, number_obj_iter):
    cls(sum(n.val() for n in number_obj_iter))
```