Assignments Python Assignment - 1

Date	8 October 2022
Student Name	SUBASRI D R
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Maximum Marks	2 Marks

Questions:

- 1. Create a registration page in HTML with username, email and phone number and by using POST method displayed in next html page
- 2. Develop a flask program which should contain atleast 5 packages used from pypi.org

Solution:

1.

First.py

```
from flask import Flask, render_template, request

app = Flask(_name_)

@app.route('/')

def student():
    return render_template('index.html')

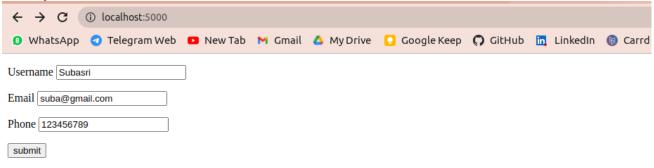
@app.route('/result',methods = ['POST', 'GET'])

def result():
    if request.method == 'POST':
        result = request.form
        return render_template("index1.html",result = result)

if __name__ == '_main_':
    app.run(debug = True)
```

```
Index.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
   <form action = "http://localhost:5000/result" method = "POST">
 Username <input type = "text" name = "Username" />
 Email <input type = "email" name = "Email" />
 Phone <input type = "number" name = "Phone" />
 <input type = "submit" value = "submit" />
</form>
</body>
</html>
Index1.html
<!doctype html>
 {% for key, value in result.items() %}
   {{ key }} 
    {{ value }} 
  {% endfor %}
```

<u>Output</u>





2.First.py

```
from flask import Flask, render_template, request
from datetime import *
import requests
from dateutil.relativedelta import *
import numpy as np
import random
import wikipedia
app = Flask(_name_)
@app.route('/')
def student():
  b = np.array([[1, 2], [3, 4]])
 val = b.size
  r = requests.get('https://api.spotify.com/')
 a = r.status_code
  date = datetime.now()
 words = ['tree', 'sun', 'ball', 'moon', 'earth', 'grass', 'world']
 word = random.choice(words)
  result = wikipedia.page("ID")
  res = result.summary
  return f'Date is {date}<br>Status Code:{a}<br>Array is {b}<br>Array Size: {val}<br>Random
word:{word}<br>IBM summary<br>{res}'
if___name___== '_main_':
  app.run(debug = True)
```

OUTPUT

