

Assignments

Python Assignment - 1

Date	8 October 2022
Student Name	Ms.Dhivya V
Student Roll Number	820419104019
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">
    <p>Username <input type = "text" name = "Username" /></p>
    <p>Email <input type = "email" name = "Email" /></p>
    <p>Phone <input type = "number" name = "Phone" /></p>
    <p><input type = "submit" value = "submit" /></p>
  </form>
</body>
</html>
```

Index1.html

```
<!doctype html>
<table border = 1>
  {% for key, value in result.items() %}
    <tr>
      <th> {{ key }} </th>
      <td> {{ value }} </td>
    </tr>
  {% endfor %}
</table>
```

Output

← → ↻ ⓘ localhost:5000

WhatsApp Telegram Web New Tab Gmail My Drive Google Keep GitHub LinkedIn Carrd

Username

Email

Phone

← → ↻ ⓘ localhost:5000/result

WhatsApp Telegram Web New Tab Gmail My Drive Google Keep GitHub LinkedIn Carrd

Username	Divya
Email	divya@gmail.com
Phone	123456789

2.First.py

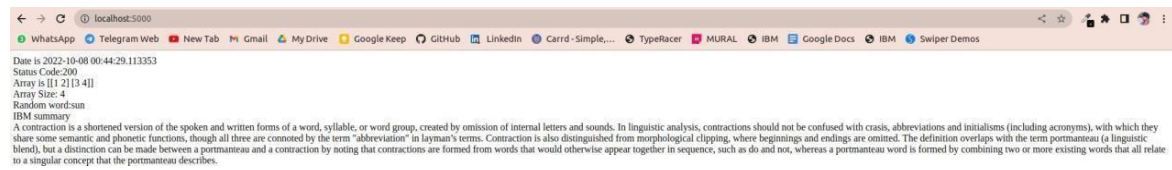
```
from flask import Flask, render_template, request
from datetime import *
import requests
from dateutil.relativedelta import *
import numpy as np
import random
import wikipedia

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



```
← → localhost:5000
WhatsApp Telegram Web New Tab Gmail My Drive Google Keep GitHub LinkedIn Carrd - Simple,... TypeRacer MURAL IBM Google Docs IBM Swiper Demos

Date is 2022-10-08 00:44:29.113353
Status Code:200
Array Is [[1 2] [3 4]]
Array Size: 4
Random word:sun
IBM summary
A contraction is a shortened version of the spoken and written forms of a word, syllable, or word group, created by omission of internal letters and sounds. In linguistic analysis, contractions should not be confused with crasis, abbreviations and initialisms (including acronyms), with which they share some semantic and phonetic functions, though all three are connoted by the term "abbreviation" in layman's terms. Contraction is also distinguished from morphological clipping, where beginnings and endings are omitted. The definition overlaps with the term portmanteau (a linguistic blend), but a distinction can be made between a portmanteau and a contraction by noting that contractions are formed from words that would otherwise appear together in sequence, such as do and not, whereas a portmanteau word is formed by combining two or more existing words that all relate to a singular concept that the portmanteau describes.
```