Registration Page Assignment

Assignment Date	19 September 2022
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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:

app.py

```python
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('result', name=name, email=email, mobile=mobile))

    return render_template('index.html')



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

def result():

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

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

    mobile = request.form.get('mobile')
```
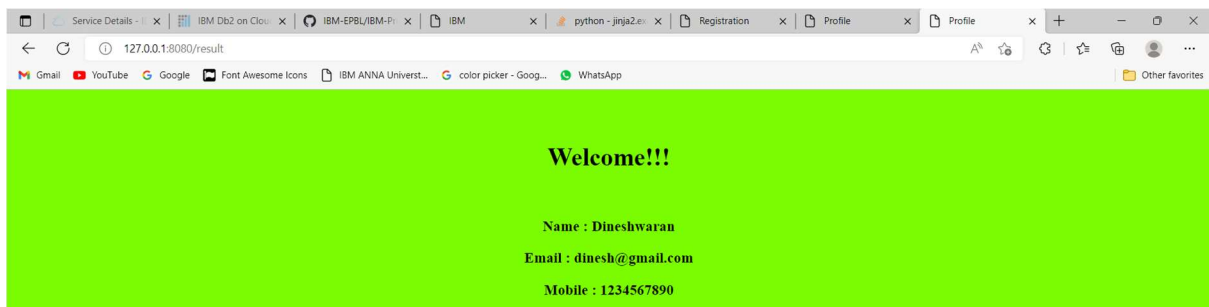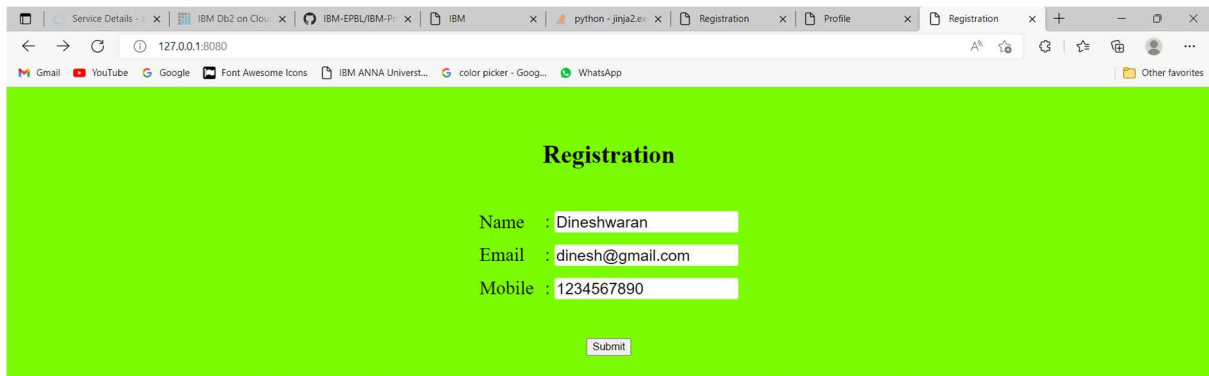
```
    return render_template('result.html', name=name, email=email, mobile=mobile)


if __name__ == "__main__":

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

Output:

Question-2:

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

  Solution:

```python
import numpy as np
import pandas as pd
import seaborn as sns

#PANDAS
# Define series 1
s1 = pd.Series([1, 3, 4, 5, 6, 2, 9])
# Define series 2
s2 = pd.Series([1.1, 3.5, 4.7, 5.8, 2.9, 9.3])
# Define series 3
s3 = pd.Series(['a', 'b', 'c', 'd', 'e'])
# Define Data
Data ={'first':s1, 'second':s2, 'third':s3}
df = pd.read_csv('Salary.csv')
#NUMPY
# Initial Array
arr = np.array([[-1, 2, 0, 4],
        [4, -0.5, 6, 0],
        [2.6, 0, 7, 8],
        [3, -7, 4, 2.0]])
print("Initial Array: ")
print(arr)
#SEABORN
sns.pairplot(df,hue="third",height=3)
#PYTZ
from pytz import timezone
from datetime import datetime
format = "%Y-%m-%d %H:%M:%S %Z%z"
# Current time in UTC
now_utc = datetime.now(timezone('UTC'))
print(now_utc.strftime(format))
# Convert to Asia/Kolkata time zone
now_asia = now_utc.astimezone(timezone('Asia/Kolkata'))
print(now_asia.strftime(format))
#TENSORFLOW
import tensorflow as tf
mnist = tf.keras.datasets.mnist
(x_train, y_train), (x_test, y_test) = mnist.load_data()
x_train, x_test = x_train / 255.0, x_test / 255.0
model = tf.keras.models.Sequential([
  tf.keras.layers.Flatten(input_shape=(28, 28)),
```

```
tf.keras.layers.Dense(128, activation='relu'),
tf.keras.layers.Dropout(0.2),
tf.keras.layers.Dense(10)
```

Output:

```
Initial Array:
[[-1.   2.   0.   4. ]
 [ 4.  -0.5  6.   0. ]
 [ 2.6  0.   7.   8. ]
 [ 3.  -7.   4.   2. ]]
2022-11-01 06:36:16 UTC+0000
2022-11-01 12:06:16 IST+0530
Downloading data from https://storage.googleapis.com/tensorflow/tf-keras-datasets/mnist.npz
11490434/11490434 [==============================] - 2s 0us/step
```