Assignment -1

Registration Page Assignment

Assignment Date	19 September 2022
Student Name	Rohith V
Student Roll Number	621319104045
Maximum Marks	2 Marks

Question-1:

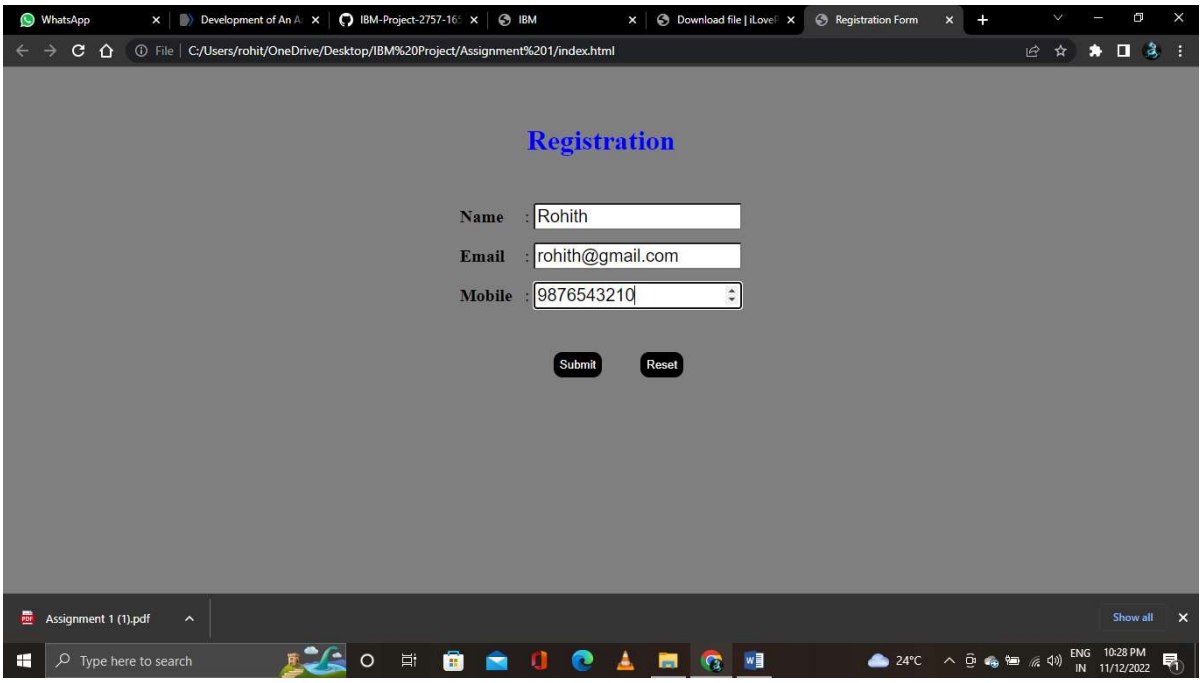
Create registration page in html with username, email, and phone number and by using POST method display it in next html page.

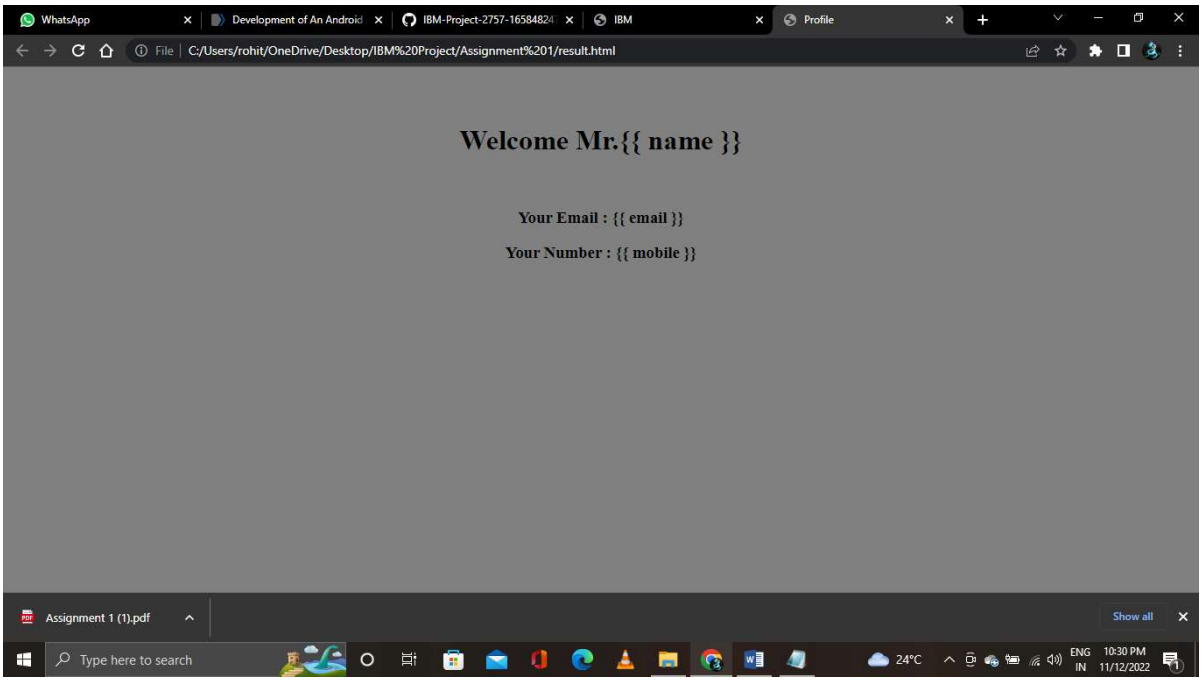
Solution:

app.py

```
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=3000
```

Output:


Registration
Name
Rohith
Email
rohith@gmail.com
Mobile
9876543210
Submit
Reset


Welcome Mr.{{ name }}
Your Email : {{ email }}
Your Number : {{ mobile }}

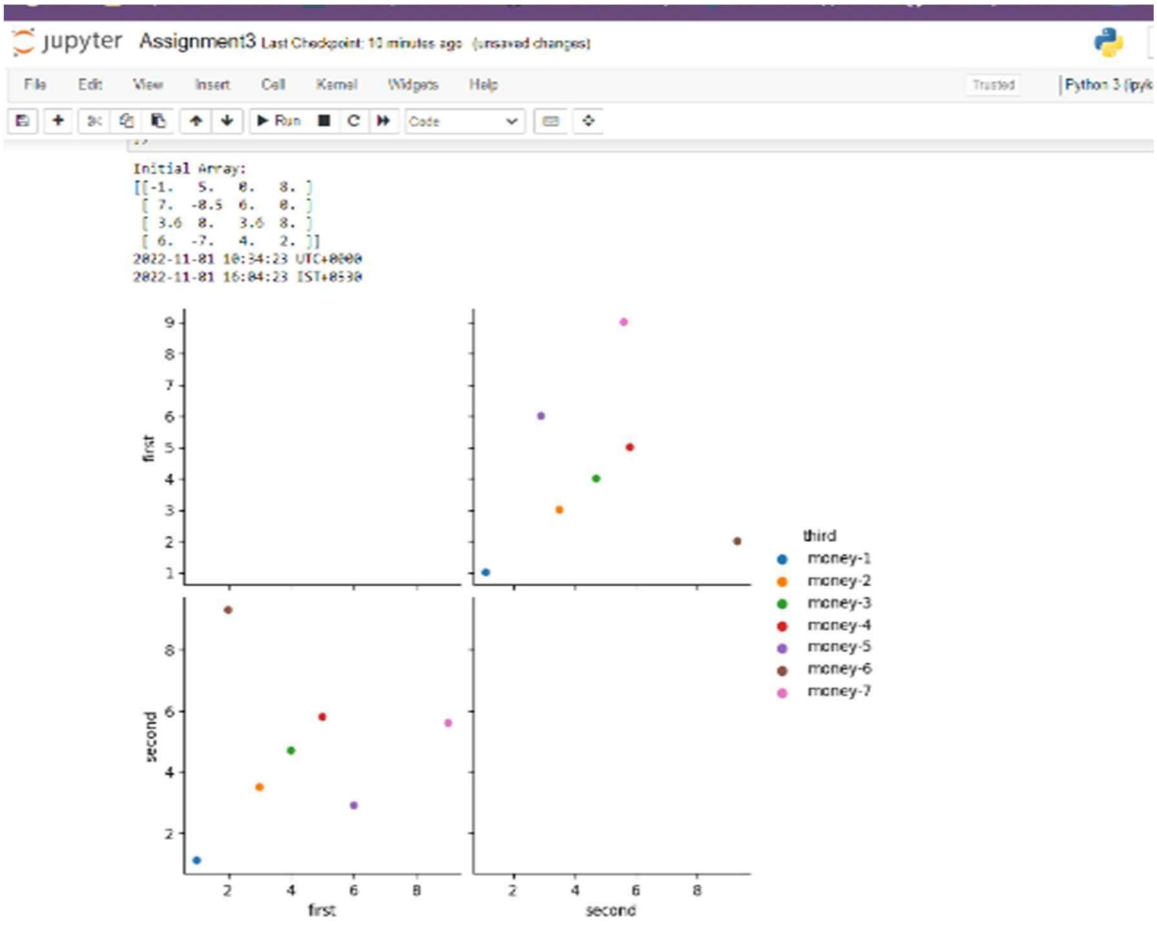
Question-2:

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

Solution:

```
import numpy as np
import pandas as pd
import seaborn as sns
from pytz import timezone
from datetime import datetime
import tensorflow as tf


df = pd.read_csv('Salary.csv')
arr = np.array([[-2, 6, 1, 9],
                [8, -0.6, 7, 1],
                [3.7, 1, 3.6, 9],
                [7, -8, 5, 2.1]])
print("Initial Array: ")
print(arr)

sns.pairplot(df,hue="third",height=3)


format = "%Y-%m-%d %H:%M:%S %Z%z"

now_utc = datetime.now(timezone('UTC'))
print(now_utc.strftime(format))

now_asia = now_utc.astimezone(timezone('Asia/Kolkata'))
print(now_asia.strftime(format))

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:


jupyter Assignment3 Last Checkpoint: 10 minutes ago (unsaved changes)
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3 (ipyk
Run
Code
Initial Array:
[[-1. 5. 0. 8.]
[7. -8.5 6. 8.]
[3.6 8. 3.6 8.]
[6. -7. 4. 2.]]
2022-11-01 10:34:23 UTC+0000
2022-11-01 16:04:23 IST+0530
first
second
third
money-1
money-2
money-3
money-4
money-5
money-6
money-7