Assignment -1

Registration Page Assignment

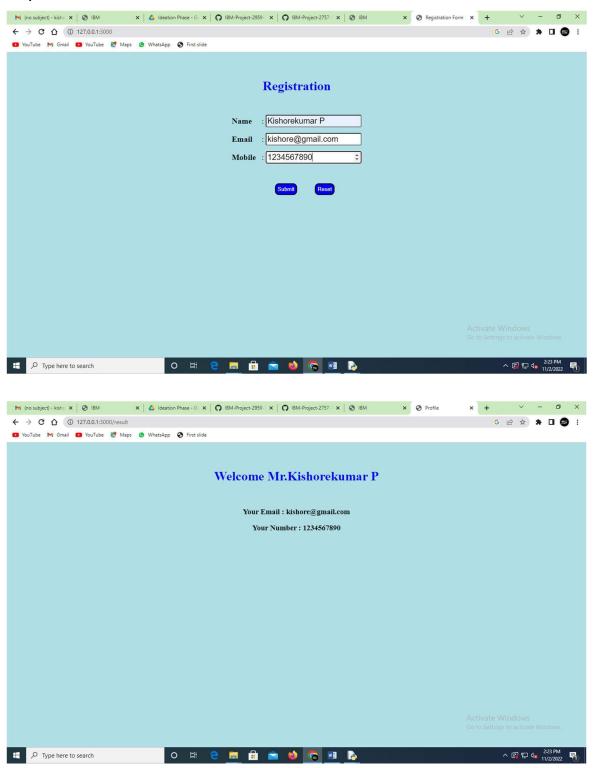| Assignment Date	19 September 2022
Student Name	Kishorekumar P
Student Roll Number	621319104027
Maximum Marks	2 Marks

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=3000
```

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


df = pd.read_csv('Salary.csv')
arr = np.array([[-1, 5, 0, 8],
          [7, -0.5, 6, 0],
          [3.6, 0, 3.6, 8],
          [6, -7, 4, 2.0]])
print("Initial Array: ")
print(arr)

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

from pytz import timezone
from datetime import datetime
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))

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:

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```
Initial Array:
[[-1.    5.    0.    0. ]
 [ 7.   -0.5   6.    0. ]
 [ 3.6   0.    3.6   0. ]
 [ 6.   -7.    4.    2. ]]
2022-11-01 10:34:23 UTC+0000
2022-11-01 16:04:23 IST+0530
```