Assignment -1

Registration Page Assignment

Assignment Date	19 September 2022
Student Name	Mohan P
Student Roll Number	621319104031
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.

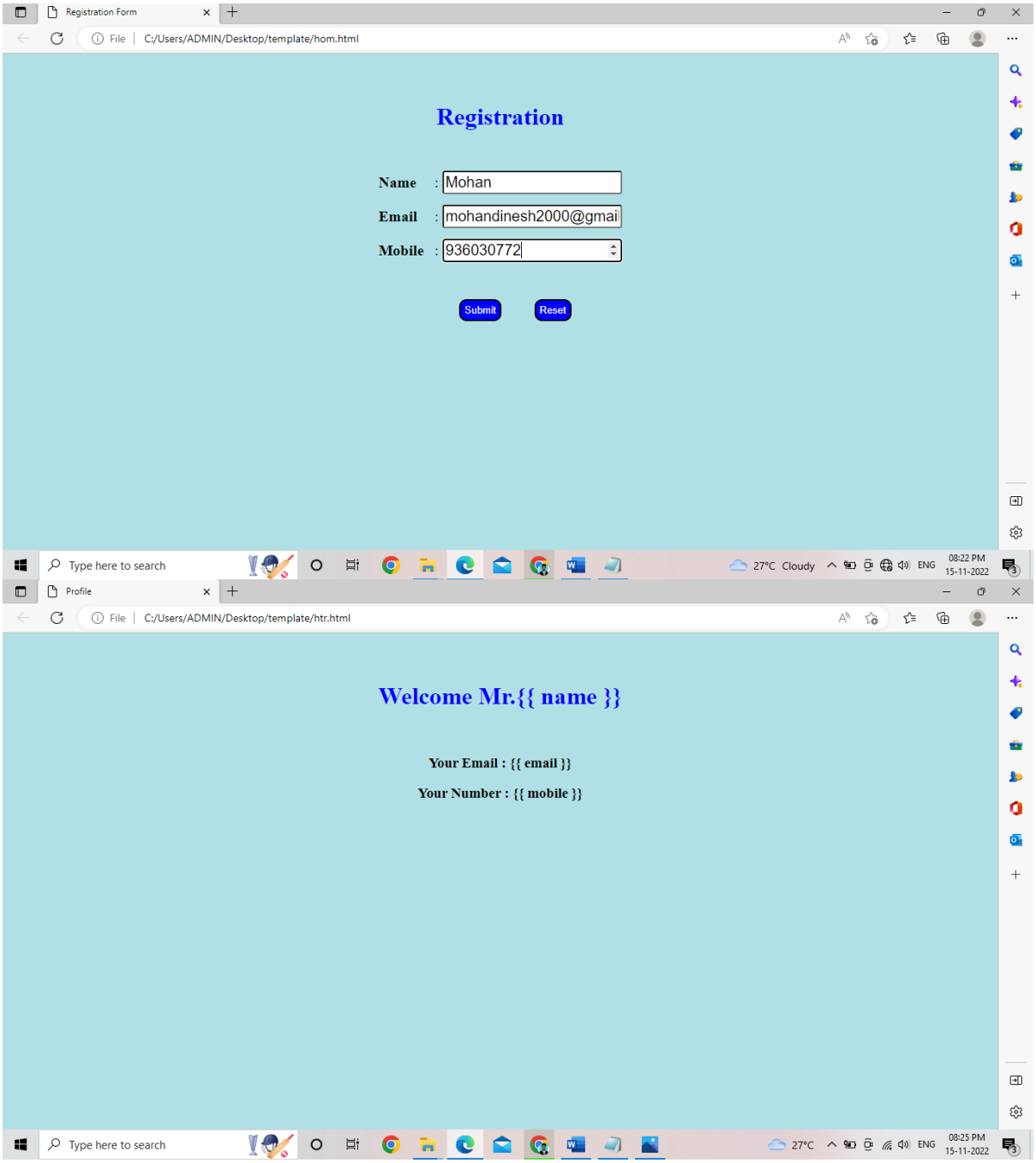
Solution:

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:



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)

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Run Code

```
Initial Array:
[[-1.   5.   0.   8. ]
 [ 7.  -8.5  6.   0. ]
 [ 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
```