

Assignment -1

Registration Page Assignment

Assignment Date	19 September 2022
Student Name	Ramesh S
Student Roll Number	621319104043
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:

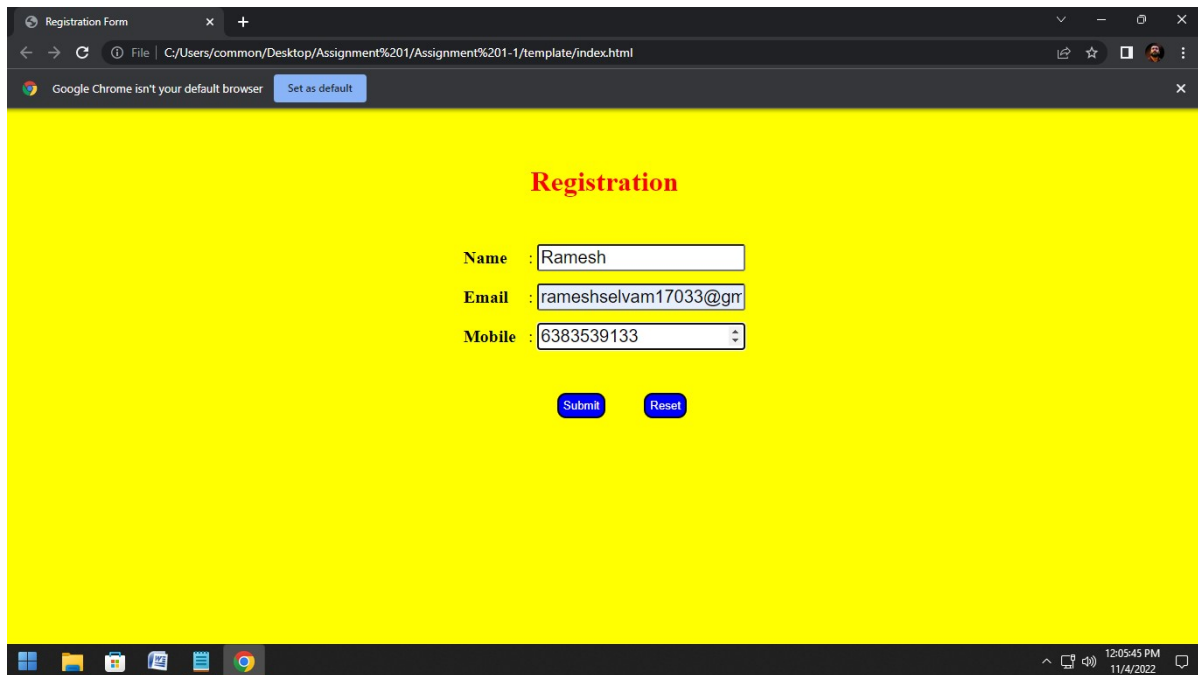
app.py

```
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:



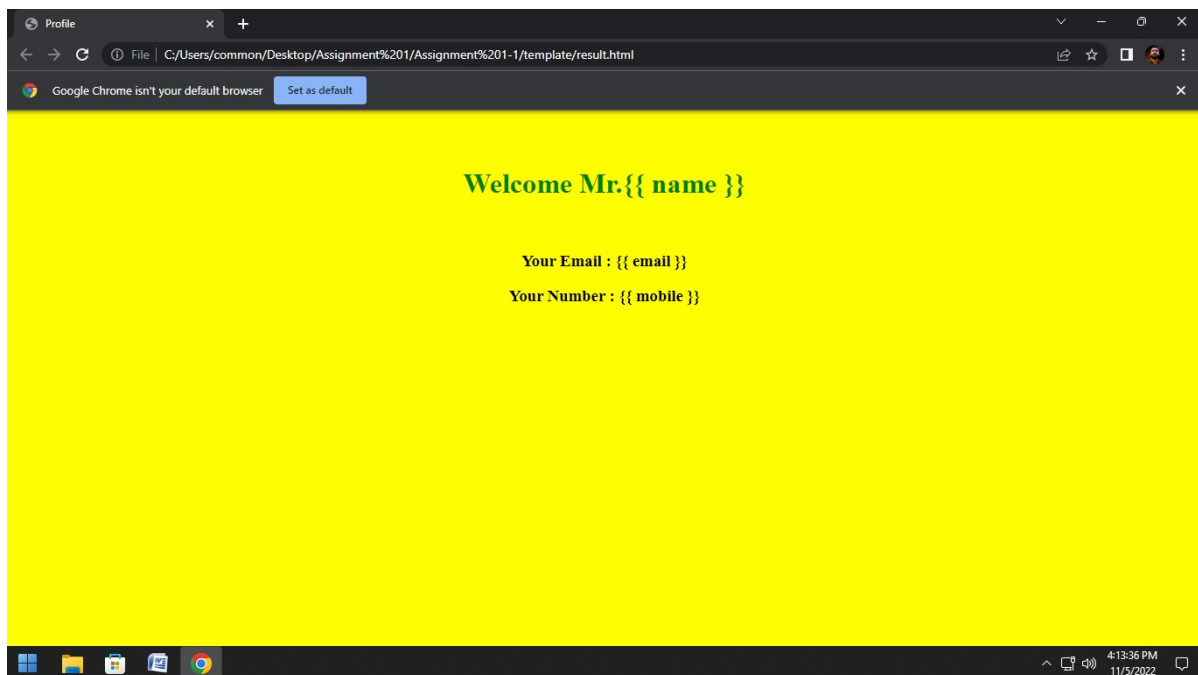
The screenshot shows a web browser window with the title "Registration Form". The address bar displays the file path: `C:/Users/common/Desktop/Assignment%201/Assignment%201-1/template/index.html`. The page has a solid yellow background. At the top center, the word "Registration" is written in red. Below it, there are three input fields: "Name" with the value "Ramesh", "Email" with the value "rameshselvam17033@gmail.com", and "Mobile" with the value "6383539133". Each field is preceded by a label and a colon. Below the input fields are two blue buttons: "Submit" and "Reset". The Windows taskbar at the bottom shows the time as 12:05:45 PM on 11/4/2022.

Registration

Name :

Email :

Mobile :



The screenshot shows a web browser window with the title "Profile". The address bar displays the file path: `C:/Users/common/Desktop/Assignment%201/Assignment%201-1/template/result.html`. The page has a solid yellow background. At the top center, the text "Welcome Mr.{{ name }}" is displayed in green. Below it, there are two lines of text: "Your Email : {{ email }}" and "Your Number : {{ mobile }}". The Windows taskbar at the bottom shows the time as 4:13:36 PM on 11/5/2022.

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
```

```
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:

