

Assignment -1
Registration Page Assignment

Assignment Date	19 September 2022
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Student Roll Number	621319104060
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')
```

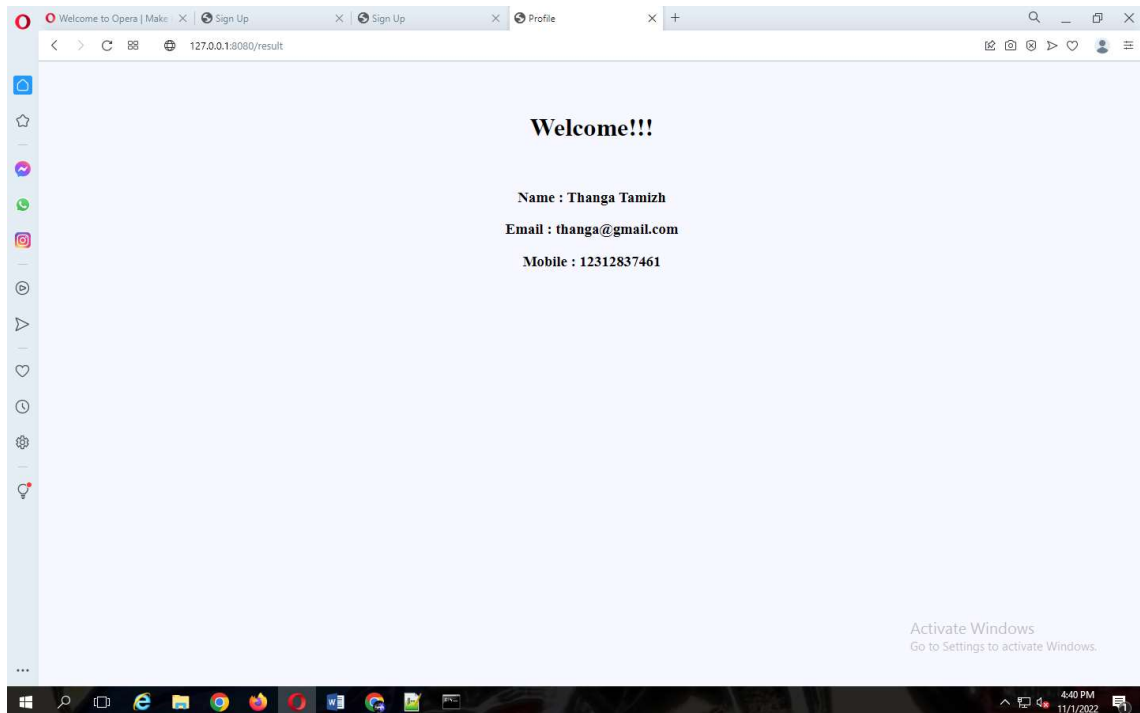
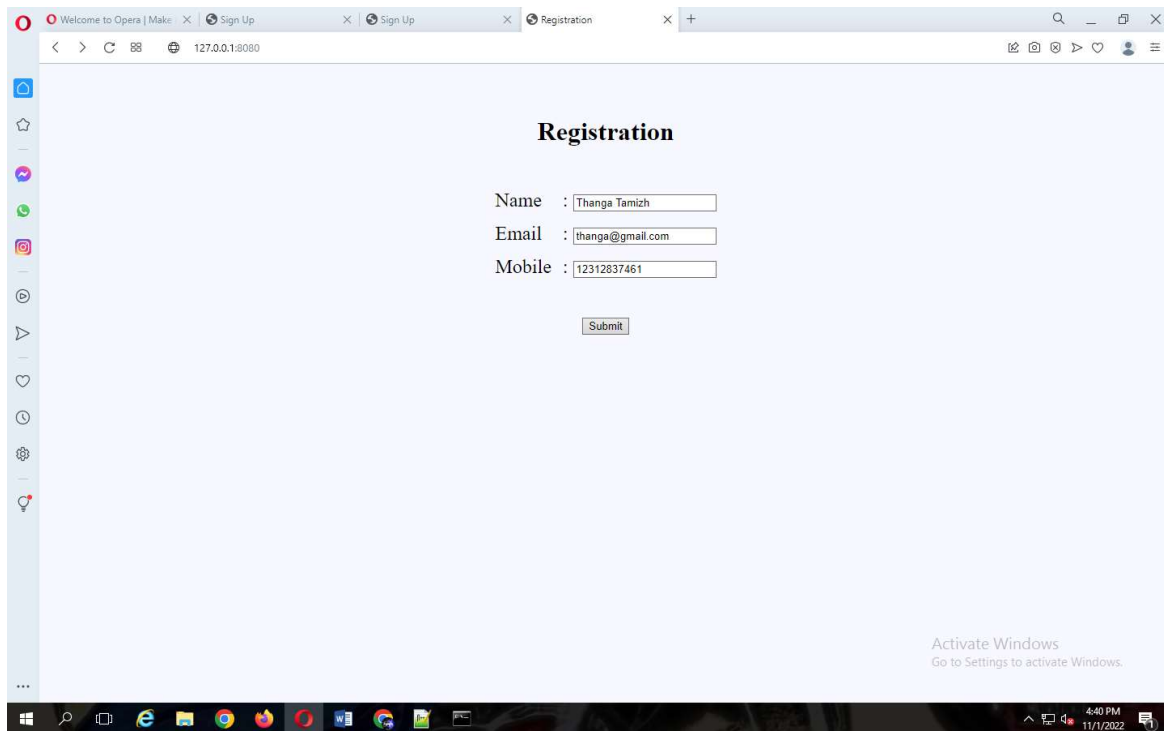
```
    mobile = request.form.get('mobile')
```

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

```
if __name__ == "__main__":
```

```
    app.run(debug=True)
```

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

df = pd.read_csv('Salary.csv')
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)

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:

