

Assignment – 1

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Aim:

1. Create registration page in html with username, email and phone number and by using POST method display it in next html page.
2. Develop a flask program which should contain at least 5 packages used from pypi.org

Source Code:

1. HTML Files

main.py

```
from flask import *
from matplotlib import pyplot as plt
import numpy as np

import numpy as np
app=Flask(__name__)

@app.route("/", methods=['GET','POST'])
def form():
    if request.method=='GET':
        return render_template("index.html")
    elif request.method=='POST':
        username=request.form["name"]
```

```
email=request.form["email"]  
phone=request.form["phone"]  
return render_template('display.html',username=username,email=email,phone=phone)
```

```
@app.route("/chart",methods=['GET','POST'])
```

```
def graph():
```

```
    cars = ['AUDI', 'BMW', 'FORD',  
            'TESLA', 'JAGUAR', 'MERCEDES']
```

```
    data = [23, 17, 35, 29, 12, 41]
```

```
    fig = plt.figure(figsize =(10, 7))
```

```
    plt.pie(data, labels = cars)
```

```
    return plt.show()
```

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

```
    app.run()
```

index.html:

```
<html>
```

```
    <body>
```

```
        <form action="/" method="post" autocomplete="on">
```

```
            <h3>Register</h3>
```

```
                <label for="name"><b><i>Name</i></b></label>
```

```
                <input type="text" name="name" required>
```

```
                <label for="email"><b><i>Email</i></b></label>
```

```
                <input type="email" name="email" required>
```

```
                <label for="phone"><b><i>Phone</i></b></label>
```

```
                <input type="number" name="phone" id="pass" required>
```

```
                <button>Register</button>
```

```
</form>

</body>

</html>
```

display.html:

```
<!DOCTYPE html>

<html >

<body>

<div class="row">

    <div class="coloumn right">

<h1>Details</h1>

    <table id="marks">

<tbody>

    <tr>

<td>User Name</td>

        <td>{{username}}</td>

    </tr>

<tr>

        <td>Email</td>

<td>{{email}}</td>

</tr>

<tr>

<td>Phone Number</td>

<td>{{phone}}</td>

</tr>

</tbody>

</table><br>

    </div>

</div>
```

</body>

</html>

Output:

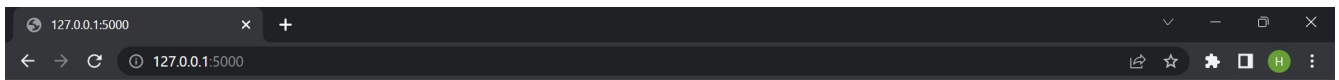


A screenshot of a web browser window. The address bar shows the URL "127.0.0.1:5000". The page title is "Register". Below the title, there is a registration form with three input fields: "Name" with the value "Ashay", "Email" with the value "akshay@gmail.com", and "Phone" with the value "1234567890". To the right of these fields is a "Register" button.

127.0.0.1:5000

Register

Name Ashay Email akshay@gmail.com Phone 1234567890 Register



Details

User Name Ashay
Email akshay@gmail.com
Phone Number 1234567890

2. Packages(Mathplotlib,Numpy)

