

ASSIGNMENT – 1

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AIM:

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

SOURCE CODE:

PYTHON -FILE

```
from flask import Flask, render_template, request, redirect, url_for, session
import re
from randimage import get_random_image, show_array
import matplotlib
from email_validator import validate_email, EmailNotValidError
import phonenumbers
import wikipedia
```

```
app = Flask(__name__)
```

```
app.secret_key = 'IBM'
```

```
@app.route('/')
@app.route('/register', methods = ['GET', 'POST'])
def register():
    msg = ''
    if(request.method=='GET'):
        img_size = (128,128)
        img = get_random_image(img_size) #returns numpy array
        matplotlib.image.imsave("E://IBM
PROJECT//Assignment1//static//profile.png", img)
        text="Wiki-Search"
        return render_template('register.html',quote=text)
```

```

    if request.method == 'POST' and 'username' in request.form and 'email' in
request.form and 'phone' in request.form :
        msg={}
        username = request.form['username']
        email = request.form['email']
        phone = request.form['phone']
        msg['username']=username
        msg['email']=email
        msg['phone']=phone
        desc=wikipedia.summary(username,sentences=4)
        is_new_account = True # False for login pages
        try:
            z = phonenumbers.parse(phone, None)
        except:
            return render_template('register.html', msg = "Phone number not
valid")
        try:
            validation = validate_email(email,
check_deliverability=is_new_account)
            email = validation.email
        except EmailNotValidError as e:
            return render_template('register.html', msg = "Email id not
valid")
        return render_template('login.html', msg = msg,desc=desc)
    elif request.method == 'POST':
        msg = 'Please fill out the form !'
        return render_template('register.html', msg = msg)

if __name__ == '__main__':
    app.run(debug=True)

```

HTML-FILE

Login.html

```

<html>
    <head>
        <meta charset="UTF-8">
        <title> Profile</title>
        <link rel="stylesheet" href="{{ url_for('static',
filename='style.css') }}">
    </head>
    <body></br></br></br></br></br>
        <div align="center">
            <div align="center" class="border">
                <div class="header">
                    <h1 class="word">Profile</h1>

```

```

        
    </div></br></br></br>
    <h2 class="word">
        <form action="" method="post">
            {% for key,value in msg.items() %}
                <input id={{key}} name={{key}} type="text" placeholder='Your
{{key}} is {{ value }}' class="textbox" readonly/></br></br>
            {% endfor %}
        </form>
    </h2>
    <div class="description"><b>About the username</b>
<br>{{desc}}</div>
    <p class="bottom">Go to registration page<a class="bottom"
href="{{url_for('register')}}"> Register again</a></p>
    </div>
</div>
</body>
</html>

```

register.html

```

<html>
    <head>
        <meta charset="UTF-8">
        <title> Register </title>
        <link rel="stylesheet" href="{{ url_for('static',
filename='style.css') }}">
    </head>
    <body></br></br></br></br></br>
        <div align="center">
            <div align="center" class="border">
                <div class="header">
                    
                </div></br></br></br></br>
                <h2 class="word">
                    <div class="quote"><b>{{ quote }}</b><br></div>
                </br>
                <form action="{{ url_for('register') }}" method="post">
                    <div class="msg">{{ msg }}</div>
                        <input id="username" name="username" type="text"
placeholder="Enter Your Username" class="textbox"/></br></br>
                        <input id="email" name="email" type="text"
placeholder="Enter Your Email ID" class="textbox"/></br></br>
                        <input id="phone" name="phone" type="text"
placeholder="Enter Your Phone number" class="textbox"/></br></br>
                        <input type="submit" class="btn" value="Submit"></br>
                    </form>

```

```
        </h2>
    </div>
</div>
</body>
</html>
```

CSS-FILE

```
.header {
    padding: 5px 120px;
    width: 150px;
    height: 70px;
    background-color: #236b8e;
}
body{

    color: white;
    background-color: rgb(0, 0, 0);
}
.border {
    padding: 80px 50px;
    width: 400px;
    height: 600px;
    border: 1px solid #236b8e;
    border-radius: 0px;
    background-color: #9ac0cd;
}

.btn {
    padding: 10px 40px;
    background-color: #236b8e;
    color: #ffffff;
    font-style: oblique;
    font-weight: bold;
    border-radius: 10px;
}

.textbox {
    padding: 10px 40px;
    background-color: #0006b0da;
    text-color: #ffffff;
    border-radius: 10px;
}

::placeholder {
    color: #ffffff;
```

```
    opacity: 1;
    font-style: oblique;
    font-weight: bold;
}

.word {
    color: #ffffff;
    font-style: oblique;
    font-weight: bold;
}

.bottom {
    color: #236b8e;
    font-style: oblique;
    font-weight: bold;
}
```

OUTPUT



