

ASSIGNMENT - 1

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QUESTIONS:

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.

1. Create registration page in html with username, email and phone number and by using POST method display it in next html page.

CODE:

form.php

<style>

@import url('https://fonts.googleapis.com/css?family=Raleway:400,700');

* {

box-sizing: border-box;

margin: 0;

padding: 0;

font-family: Raleway, sans-serif;

}

body {

background: linear-gradient(90deg, #C7C5F4, #776BCC);

}

```
.container {  
  
  display: flex;  
  
  align-items: center;  
  
  justify-content: center;  
  
  min-height: 100vh;  
  
}
```

```
.screen {  
  
  background: linear-gradient(90deg, #5D54A4, #7C78B8);  
  
  position: relative;  
  
  height: 600px;  
  
  width: 360px;  
  
  box-shadow: 0px 0px 24px #5C5696;  
  
}
```

```
.screen__content {  
  
  z-index: 1;  
  
  position: relative;  
  
  height: 100%;  
  
}
```

```
.screen__background {  
  
  position: absolute;  
  
  top: 0;
```

```
left: 0;

right: 0;

bottom: 0;

z-index: 0;

-webkit-clip-path: inset(0 0 0 0);

clip-path: inset(0 0 0 0);

}
```

```
.screen__background__shape {

  transform: rotate(45deg);

  position: absolute;

}
```

```
.screen__background__shape1 {

  height: 520px;

  width: 520px;

  background: #FFF;

  top: -50px;

  right: 120px;

  border-radius: 0 72px 0 0;

}
```

```
.screen__background__shape2 {

  height: 220px;

  width: 220px;
```

```
background: #6C63AC;

top: -172px;

right: 0;

border-radius: 32px;

}
```

```
.screen__background__shape3 {

height: 540px;

width: 190px;

background: linear-gradient(270deg, #5D54A4, #6A679E);

top: -24px;

right: 0;

border-radius: 32px;

}
```

```
.screen__background__shape4 {

height: 400px;

width: 200px;

background: #7E7BB9;

top: 420px;

right: 50px;

border-radius: 60px;

}
```

```
.login {
```

```
width: 320px;

padding: 30px;

padding-top: 156px;

}
```

```
.login__field {

padding: 20px 0px;

position: relative;

}
```

```
.login__icon {

position: absolute;

top: 30px;

color: #7875B5;

}
```

```
.login__input {

border: none;

border-bottom: 2px solid #D1D1D4;

background: none;

padding: 10px;

padding-left: 24px;

font-weight: 700;

width: 75%;

transition: .2s;
```

```
}
```

```
.login__input:active,
```

```
.login__input:focus,
```

```
.login__input:hover {
```

```
    outline: none;
```

```
    border-bottom-color: #6A679E;
```

```
}
```

```
.login__submit {
```

```
    background: #fff;
```

```
    font-size: 14px;
```

```
    margin-top: 30px;
```

```
    padding: 16px 20px;
```

```
    border-radius: 26px;
```

```
    border: 1px solid #D4D3E8;
```

```
    text-transform: uppercase;
```

```
    font-weight: 700;
```

```
    display: flex;
```

```
    align-items: center;
```

```
    width: 100%;
```

```
    color: #4C489D;
```

```
    box-shadow: 0px 2px 2px #5C5696;
```

```
    cursor: pointer;
```

```
    transition: .2s;
```

```
}
```

```
.login__submit:active,  
.login__submit:focus,  
.login__submit:hover {  
    border-color: #6A679E;  
    outline: none;  
}
```

```
.button__icon {  
    font-size: 24px;  
    margin-left: auto;  
    color: #7875B5;  
}
```

```
.social-login {  
    position: absolute;  
    height: 140px;  
    width: 160px;  
    text-align: center;  
    bottom: 0px;  
    right: 0px;  
    color: #fff;  
}
```

```
.social-icons {
```

```
    display: flex;
```

```
    align-items: center;
```

```
    justify-content: center;
```

```
}
```

```
.social-login__icon {
```

```
    padding: 20px 10px;
```

```
    color: #fff;
```

```
    text-decoration: none;
```

```
    text-shadow: 0px 0px 8px #7875B5;
```

```
}
```

```
.social-login__icon:hover {
```

```
    transform: scale(1.5);
```

```
}
```

```
</style>
```

```
<div class="container">
```

```
    <div class="screen">
```

```
        <div class="screen__content">
```

```
            <form class="login" action="post.php" method="post">
```

```
                <div class="login__field">
```



```
<i class="login__icon fas fa-user"></i>
```

```
<input type="text" name="username" class="login__input" placeholder="User name">
```

```
</div>
```

```
<div class="login__field">
```

```
<i class="login__icon fas fa-user"></i>
```

```
<input type="text" name="email" class="login__input" placeholder="Email">
```

```
</div>
```

```
<div class="login__field">
```

```
<i class="login__icon fas fa-user"></i>
```

```
<input type="text" name="phonenumber" class="login__input" placeholder="Phone  
Number">
```

```
</div>
```

```
<button class="button login__submit">
```

```
<span class="button__text">Register</span>
```

```
<i class="button__icon fas fa-chevron-right"></i>
```

```
</button>
```

```
</form>
```

```
</div>
```

```
<div class="screen__background">
```

```
<span class="screen__background__shape screen__background__shape4"></span>
```

```
<span class="screen__background__shape screen__background__shape3"></span>
```

```
<span class="screen__background__shape screen__background__shape2"></span>
```

```
<span class="screen__background__shape screen__background__shape1"></span>

</div>

</div>

</div>
```

post.php

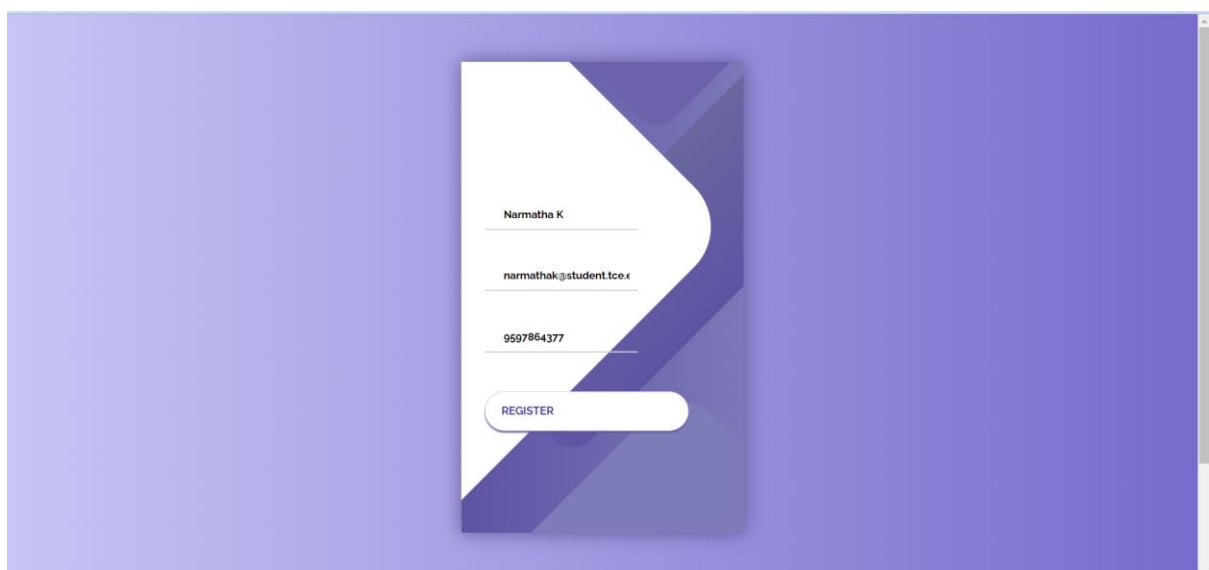
```
<?php
```

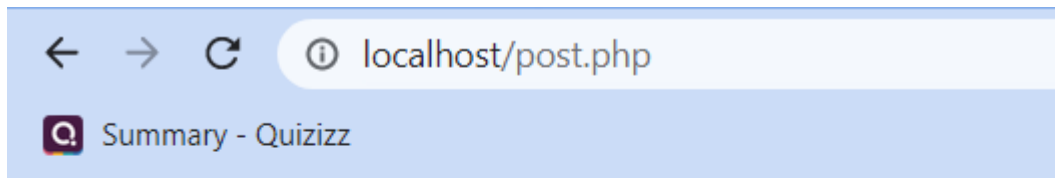
```
$name    = $_POST['username'];
```

```
$phone = $_POST['phonenumber'];
```

```
echo "My name is $name <br /> and this is my mobile number {$phone}";
```

```
?>
```

OUTPUT:



My name is Narmatha K
and this is my mobile number 9597864377

2. Develop a flask program which should contain at least 5 packages used from pypi.org.

SETTING UP THE ENVIRONMENT FOR FLASK

```

Select Command Prompt
Microsoft Windows [Version 10.0.18362.1256]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\NARMATHA>pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.16.5-py3-none-any.whl (8.8 MB)
    | 8.8 MB 2.2 MB/s
Collecting distlib<1.0, >=0.3.5
  Downloading distlib-0.3.6-py2.py3-none-any.whl (468 kB)
    | 468 kB 3.3 MB/s
Collecting filelock<4, >=3.4.1
  Downloading filelock-3.8.0-py3-none-any.whl (10 kB)
Collecting platformdirs<3, >=2.4
  Downloading platformdirs-2.5.2-py3-none-any.whl (14 kB)
Installing collected packages: platformdirs, filelock, distlib, virtualenv
Successfully installed distlib-0.3.6 filelock-3.8.0 platformdirs-2.5.2 virtualenv-20.16.5
WARNING: You are using pip version 21.3.1; however, version 22.2.2 is available.
You should consider upgrading via the 'c:\Users\narmatha\appdata\local\programs\python\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\NARMATHA>virtualenv venv
created virtual environment CPython3.9.1.final.0-64 in 25672ms
creator CPythonWindows(dest=C:\Users\NARMATHA\venv, clear=False, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\NARMATHA\AppData\Local\pypa\virtualenv)
added seed packages: pip==22.2.2, setuptools==65.3.0, wheel==0.37.1
activators BashActivator, BatchActivator, FishActivator, NushellActivator, PowerShellActivator, PythonActivator

C:\Users\NARMATHA>venv\Scripts\activate

(venv) C:\Users\NARMATHA>pip install Flask
Collecting Flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    ----- 101.5/101.5 kB 647.1 kB/s eta 0:00:00
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    ----- 96.6/96.6 kB 918.6 kB/s eta 0:00:00
Collecting importlib-metadata>=3.6.0
  Downloading importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    ----- 133.1/133.1 kB 982.9 kB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    ----- 232.7/232.7 kB 1.2 MB/s eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.5-py2.py3-none-any.whl (16 kB)
Collecting zipp>=0.5
  Downloading zipp-3.8.1-py3-none-any.whl (5.6 kB)
Collecting MarkupSafe>=2.0

```

CODE:

login.html

<html>

```
<style>

body {

    background-image: url("bgdesert.jpg");


}

h1 {

    background-color: black;

    color: white;

}

p {

    width: 140px;

    border: 1px solid #000000;

}


</style>

<body>

    <form action = "http://localhost:5000/login" method = "post">


<h1>Enter Name:</h1>


<p><input type = "text" name = "nm" placeholder="Your name.." /></p>


<p><input type = "submit" value = "submit" /></p>
```

```
</form>
```

```
</body>
```

```
</html>
```

login.py

```
# -*- coding: utf-8 -*-
```

```
''''
```

```
@author: NARMATHA
```

```
''''
```

```
from flask import Flask, redirect, url_for, request
```

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

```
@app.route('/success/<name>')
```

```
def success(name):
```

```
    return 'Welcome %s to Flask programming' % name
```

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

```
def login():
```

```
    if request.method == 'POST':
```

```
        user = request.form['nm']
```

```
        return redirect(url_for('success', name=user))
```

```
    else:
```

```
user = request.args.get('nm')

return redirect(url_for('success', name=user))

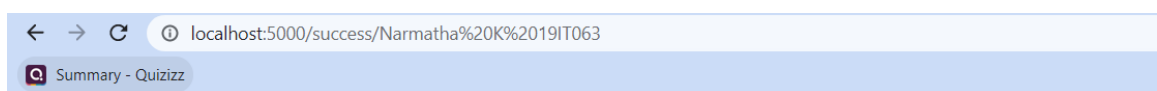
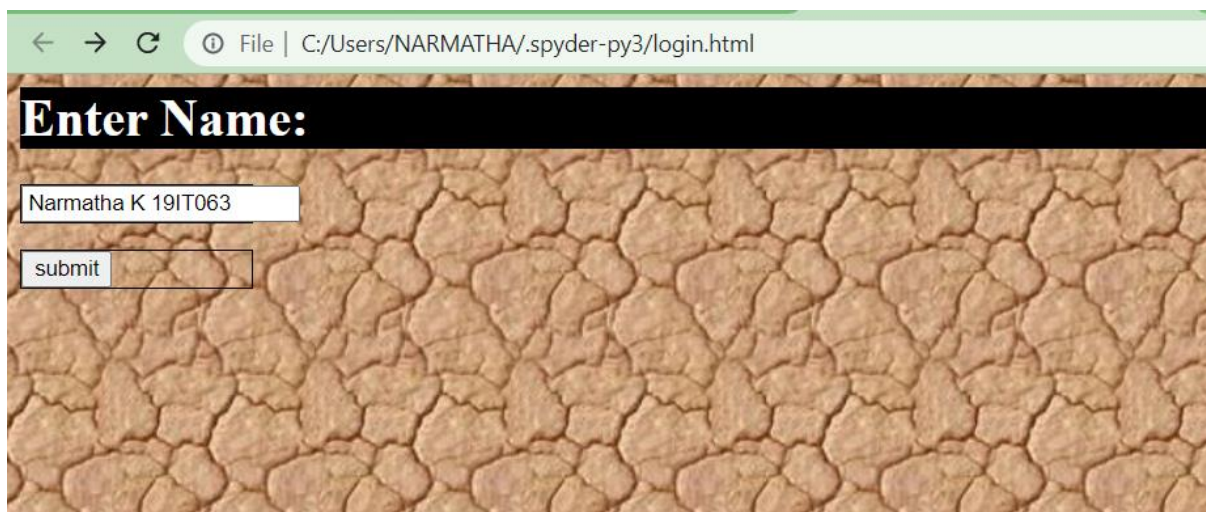
if __name__ == '__main__':

    app.run(debug=True)
```

OUTPUT:

```
In [9]: runfile('C:/Users/NARMATHA/.spyder-py3/Login.py', wdir='C:/Users/NARMATHA/.spyder-py3')
* Serving Flask app "login" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with windowsapi reloader
* Restarting with windowsapi reloader
* Restarting with windowsapi reloader

In [10]:
```



Welcome Narmatha K 19IT063 to Flask programming