Assignment -1
Python Programming
SMART FASHION RECOMMENDER APPLICATION

Assignment Date	19 September 2022
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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:

Program:

index.html:

```html
<!DOCTYPE html>
<html>

<head>
  <title>Login | Smart Fashion Recommender</title>
  <link rel="stylesheet" type="text/css" href="style.css">

  <link
href="https://fonts.googleapis.com/css?family=Nunito:400,600,700,800&display=swap" rel="stylesheet">
</head>

<body>
  <div class="cont">
    <div class="form sign-in">
      <h2>Sign In</h2>
      <form action="login" method="post">
        <label>
          <span>Name</span>
          <input type="text" name="name" required />
        </label>
        <label>
          <span>Email Address</span>
          <input type="email" name="email" required />
        </label>
        <label>
          <span>Phone Number</span>
          <input type="number" name="phone" required />
        </label>
```

```html
          <button type="submit" class="submit">Sign In</button>
        </form>


        <p class="forgot-pass">Forgot Password ?</p>

        <div class="social-media">
          <ul>
            <li><a href="https://www.facebook.com/login.php/"><img
src="images/facebook.png"></a></li>
            <li><a href="https://twitter.com/i/flow/login"><img
src="images/twitter.png"></li></a></li>
            <li><a href="https://www.linkedin.com/login"><img
src="images/linkedin.png"></a></li>
            <li><a href="https://www.instagram.com/accounts/login/"><img
src="images/instagram.png"></a></li>
          </ul>
        </div>
      </div>

      <div class="sub-cont">
        <div class="img">
          <div class="img-text m-up">
            <h2>New here?</h2>
            <p>Sign up and discover great amount of new opportunities!</p>
          </div>
          <div class="img-text m-in">
            <h2>One of us?</h2>
            <p>If you already has an account, just sign in. We've missed
you!</p>
          </div>
          <div class="img-btn">
            <span class="m-up">Sign Up</span>
            <span class="m-in">Sign In</span>
          </div>
        </div>
        <div class="form sign-up">
          <h2>Sign Up</h2>
          <form action="login" method="post">
            <label>
              <span>Name</span>
              <input type="text" name="name" required>
            </label>
            <label>
              <span>Email</span>
              <input type="email" name="email" required>
            </label>
             <label>
              <span>Phone</span>
```

```html
            <input type="number" name="phone" required>
          </label>
          <label>
            <span>Password</span>
            <input type="password" required>
          </label>

          <button type="submit" class="submit">Sign Up Now</button>
        </form>
      </div>
    </div>
  </div>
  <script type="text/javascript" src="script.js"></script>
</body>

</html>
```

style.css:

```css
*, *:before, *:after{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Nunito', sans-serif;
}

body{
  width: 100%;
  height: 100vh;
  display: flex;
  justify-content: center;
  align-items: center;
  background: -webkit-linear-gradient(left, #7579ff, #b224ef);
  font-family: 'Nunito', sans-serif;
}

input, button{
  border:none;
  outline: none;
  background: none;
}

.cont{
  overflow: hidden;
  position: relative;
  width: 900px;
  height: 600px;
  background: #fff;
```

```css
    box-shadow: 0 19px 38px rgba(0, 0, 0, 0.30), 0 15px 12px rgba(0, 0, 0, 0.22);
}

.form{
  position: relative;
  width: 640px;
  height: 100%;
  padding: 50px 30px;
  -webkit-transition:-webkit-transform 1.2s ease-in-out;
  transition: -webkit-transform 1.2s ease-in-out;
  transition: transform 1.2s ease-in-out;
  transition: transform 1.2s ease-in-out, -webkit-transform 1.2s ease-in-out;
}

h2{
  width: 100%;
  font-size: 30px;
  text-align: center;
}

label{
  display: block;
  width: 260px;
  margin: 25px auto 0;
  text-align: center;
}

label span{
  font-size: 14px;
  font-weight: 600;
  color: #505f75;
  text-transform: uppercase;
}

input{
  display: block;
  width: 100%;
  margin-top: 5px;
  font-size: 16px;
  padding-bottom: 5px;
  border-bottom: 1px solid rgba(109, 93, 93, 0.4);
  text-align: center;
  font-family: 'Nunito', sans-serif;
}

button{
  display: block;
  margin: 0 auto;
```

```css
  width: 260px;
  height: 36px;
  border-radius: 30px;
  color: #fff;
  font-size: 15px;
  cursor: pointer;
}

.submit{
  margin-top: 40px;
  margin-bottom: 30px;
  text-transform: uppercase;
  font-weight: 600;
  font-family: 'Nunito', sans-serif;
  background: -webkit-linear-gradient(left, #7579ff, #b224ef);
}

.submit:hover{
  background: -webkit-linear-gradient(left, #b224ef, #7579ff);
}

.forgot-pass{
  margin-top: 15px;
  text-align: center;
  font-size: 14px;
  font-weight: 600;
  color: #0c0101;
  cursor: pointer;
}

.forgot-pass:hover{
  color: red;
}

.social-media{
  width: 100%;
  text-align: center;
  margin-top: 20px;
}

.social-media ul{
  list-style: none;
}

.social-media ul li{
  display: inline-block;
  cursor: pointer;
  margin: 25px 15px;
```

```css
}

.social-media img{
  width: 40px;
  height: 40px;
}

.sub-cont{
  overflow: hidden;
  position: absolute;
  left: 640px;
  top: 0;
  width: 900px;
  height: 100%;
  padding-left: 260px;
  background: #fff;
  -webkit-transition: -webkit-transform 1.2s ease-in-out;
  transition: -webkit-transform 1.2s ease-in-out;
  transition: transform 1.2s ease-in-out;
}

.cont.s-signup .sub-cont{
  -webkit-transform:translate3d(-640px, 0, 0);
          transform:translate3d(-640px, 0, 0);
}

.img{
  overflow: hidden;
  z-index: 2;
  position: absolute;
  left: 0;
  top: 0;
  width: 260px;
  height: 100%;
  padding-top: 360px;
}

.img:before{
  content: '';
  position: absolute;
  right: 0;
  top: 0;
  width: 900px;
  height: 100%;
  background-image: url(images/bg.jpg);
  background-size: cover;
  transition: -webkit-transform 1.2s ease-in-out;
  transition: transform 1.2s ease-in-out, -webkit-transform 1.2s ease-in-out;
```

```css
}

.img:after{
  content: '';
  position: absolute;
  left: 0;
  top: 0;
  width: 100%;
  height: 100%;
  background: rgba(0,0,0,0.3);
}

.cont.s-signup .img:before{
  -webkit-transform:translate3d(640px, 0, 0);
          transform:translate3d(640px, 0, 0);
}

.img-text{
  z-index: 2;
  position: absolute;
  left: 0;
  top: 50px;
  width: 100%;
  padding: 0 20px;
  text-align: center;
  color: #fff;
  -webkit-transition:-webkit-transform 1.2s ease-in-out;
  transition: -webkit-transform 1.2s ease-in-out;
  transition: transform 1.2s ease-in-out, -webkit-transform 1.2s ease-in-out;
}

.img-text h2{
  margin-bottom: 10px;
  font-weight: normal;
}

.img-text p{
  font-size: 14px;
  line-height: 1.5;
}

.cont.s-signup .img-text.m-up{
  -webkit-transform:translateX(520px);
          transform:translateX(520px);
}

.img-text.m-in{
  -webkit-transform:translateX(-520px);
```

```css
        transform:translateX(-520px);
}

.cont.s-signup .img-text.m-in{
  -webkit-transform:translateX(0);
          transform:translateX(0);
}


.sign-in{
  padding-top: 65px;
  -webkit-transition-timing-function:ease-out;
          transition-timing-function:ease-out;
}

.cont.s-signup .sign-in{
  -webkit-transition-timing-function:ease-in-out;
          transition-timing-function:ease-in-out;
  -webkit-transition-duration:1.2s;
          transition-duration:1.2s;
  -webkit-transform:translate3d(640px, 0, 0);
          transform:translate3d(640px, 0, 0);
}

.img-btn{
  overflow: hidden;
  z-index: 2;
  position: relative;
  width: 100px;
  height: 36px;
  margin: 0 auto;
  background: transparent;
  color: #fff;
  text-transform: uppercase;
  font-size: 15px;
  cursor: pointer;
}

.img-btn:after{
  content: '';
  z-index: 2;
  position: absolute;
  left: 0;
  top: 0;
  width: 100%;
  height: 100%;
  border: 2px solid #fff;
  border-radius: 30px;
}
```

```css
.img-btn span{
  position: absolute;
  left: 0;
  top: 0;
  display: -webkit-box;
  display: flex;
  -webkit-box-pack:center;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: 100%;
  -webkit-transition:-webkit-transform 1.2s;
  transition: -webkit-transform 1.2s;
  transition: transform 1.2s;
  transition: transform 1.2s, -webkit-transform 1.2s;;
}

.img-btn span.m-in{
  -webkit-transform:translateY(-72px);
          transform:translateY(-72px);
}

.cont.s-signup .img-btn span.m-in{
  -webkit-transform:translateY(0);
          transform:translateY(0);
}

.cont.s-signup .img-btn span.m-up{
  -webkit-transform:translateY(72px);
          transform:translateY(72px);
}

.sign-up{
  -webkit-transform:translate3d(-900px, 0, 0);
          transform:translate3d(-900px, 0, 0);
}

.cont.s-signup .sign-up{
  -webkit-transform:translate3d(0, 0, 0);
          transform:translate3d(0, 0, 0);
}
```

Question-2:

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

Solution:

Program:

app.py

```python
from tkinter.tix import Form
from flask import Flask ,render_template,url_for,redirect,request

app = Flask(__name__)


@app.route('/')
def index():
    return render_template("index.html")
@app.route('/success/<name>/<phone>/<email>')
def success(name=None,phone=None,email=None):
    return " <h1>Registered Successfully</h1><h2>Your Details Are:-</h2>  {}
<br>{} <br> {} ".format(name , phone ,email)
    #  '{} {} {}'.format(firstname, lastname, cellphone)
@app.route("/login",methods =['POST','GET'])
def login():
    if request.method == 'POST':

        user = request.form['name']
        email = request.form['email']
        phone = request.form['phone']
        return redirect(url_for("success", name = user ,phone = phone ,email =
email ))
        # name = user ,phone = phone ,email = email
    else:
        user = request.args.get("input_name")
        return redirect(url_for("success",name=user))


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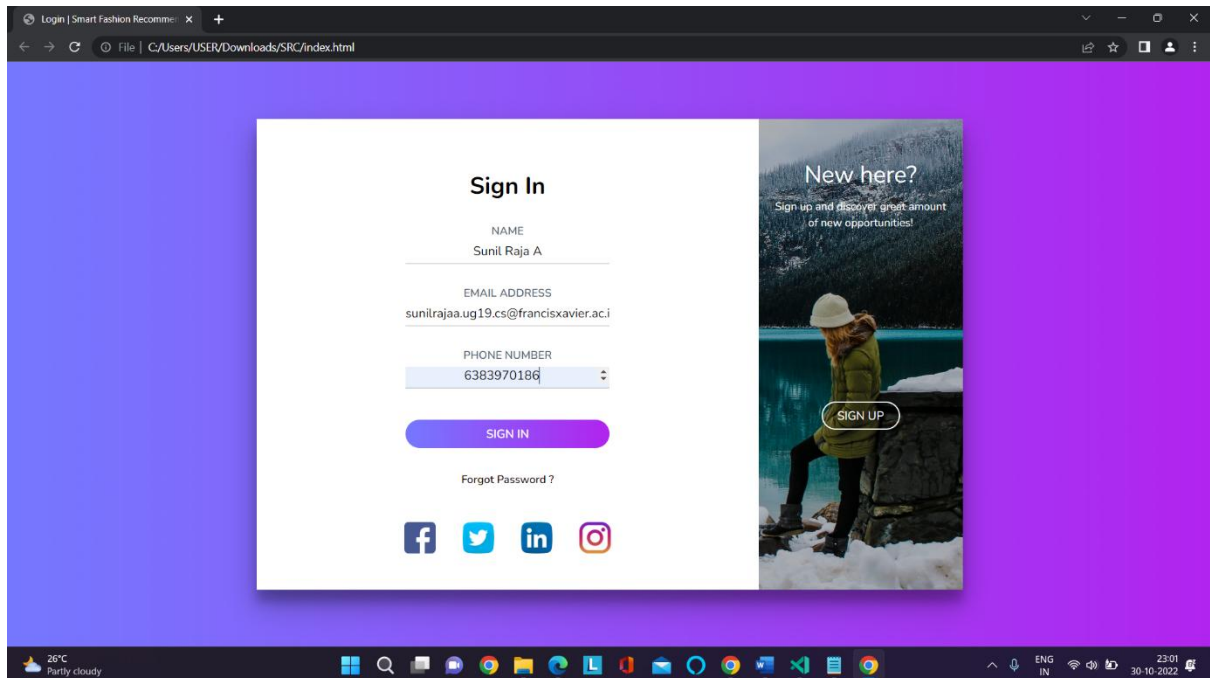
Output:

Screenshots:

1. **Registration Page:**

2. **Registration Successful:**