

ASSIGNMENT 2

1) Write a flask program which should display Name , Email, phone and it should display the same details once we hit submit.

```
<form method = "Post">
    <table>
        <tr>
            <td> Name </td>
            <td> <input type = "text" Name = "uName" required minlength="4"/></td>
        </tr>
        <tr>
            <td> Phone </td>
            <td> <input type = "number" Name = "uPhone" required minlength="100000"/></td>
        </tr>
        <tr>
            <td> E-mail </td>
            <td> <input type = "email" Name = "uEmail" required/></td>
        </tr>
        <tr>
            <td> <button type = "submit" > Submit </button></td>
        </tr>
    </table>
</form>
```

```
from flask import Flask, render_template, request
```

```
#create a server instance
```

```
app=Flask(__Name__)
```

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

```
def index():
```

```
    errors = {}
```

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

```
        uName=request.form["uName"]
```

```
        print("User=",uName)
```

```
        print("Phone=",request.form["uPhone"])
```

```
        print("Email=",request.form["uEmail"])
```

```
        if not uName[0].isalpha():
```

```
            errors["uName"]=["Username should start with alphabet"]
```

```
    return render_template("home.html",errors=errors)
```

```
app.run(host="0.0.0.0",port=50100,debug=True)
```

2) Write a flask program which should cover cookies, sessions

```
{% extends "layout.html" %}
```

```
{% block y %}
```

```
{% if session.name %}
```

```
    You are Register {{ session.name }} <a href="/logout">logout</a>.
```

```
{% else %}
```

```
    You are not Register. <a href="/login">login</a>.
```

```
{% endif %}
```

```
{% endblock %}
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
    <head>
```

```
        <meta name="viewport" content="initial-scale=1, width=device-width">
```

```
        <title> flask </title>
```

```
    </head>
```

```
    <body>
```

```
        {% block y %}{% endblock %}
```

```
    </body>
```

```
</html>
```

```
{% extends "layout.html" %}
```

```
{% block y %}
```

```
<h1> REGISTER </h1>
```

```
<form action="/login" method="POST">
```

```
<input placeholder="Name" autocomplete="off" type="text" name="name">
```

```
<input type="submit" name="Register">
```

```
</form>
```

```
{% endblock %}
```

```
from flask import Flask,  
render_template, redirect,  
request, session
```

```
# The Session instance is not used for direct  
access, you should always use flask.session
```

```
from flask_session import Session
```

```
app = Flask(__name_)
```

```
app.config["SESSION_PERMANENT"] = False
```

```
app.config["SESSION_TYPE"] = "filesystem"
```

```
Session(app)
```

```
@app.route("/")
```

```
def index():
```

```
    if not session.get("name"):
```

```
        return redirect("/login")
```

```
    return render_template('index.html')
```

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

```
def login():
```

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

```
        session["name"] =  
request.form.get("name")
```

```
    return redirect("/")
```

```
    return render_template("login.html")
```

```
@app.route("/logout")
```

```
def logout():
```

```
    session["name"] = None
```

```
    return redirect("/")
```

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

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

3) Write a flask program which should display resume details and also have upload resume option

```
from flask import Flask, render_template, request, url_for,
redirect
from email.mime.text import MIMEText
import smtplib
from email.message import EmailMessage
app = Flask(__name_)
```

```
@app.route("/")
def index():
    return render_template("index.html")
```

```
@app.route("/sendemail/", methods=['POST'])
def sendemail():
    if request.method == "POST":
        name = request.form['name']
        subject = request.form['Subject']
        email = request.form['_replyto']
        message = request.form['message']

        # Set your credentials
        yourEmail = "suraj@geeksforgeeks.org"
        yourPassword = "#####"
```

```
        # Logging in to our email account
        server = smtplib.SMTP('smtp.gmail.com', 587)
        server.ehlo()
        server.starttls()
        server.login(yourEmail, yourPassword)
```

```
        # Sender's and Receiver's email address
        msg = EmailMessage()
        msg.set_content("First Name : "+str(name)
                        +"\nEmail : "+str(email)
                        +"\nSubject : "+str(subject)
                        +"\nMessage : "+str(message))

        msg['To'] = email
        msg['From'] = yourEmail
        msg['Subject'] = subject

        # Send the message via our own SMTP server.
        try:
            # sending an email
            server.send_message(msg)
            print("Send")
        except:
            print("Fail to Send")
            pass

    return redirect('/')
```

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

```

<!doctype html>
<html lang="en">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1">

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/boot
strap.min.css"
rel="stylesheet"

integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3y
D65VohhpuuCOMLASjC"
crossorigin="anonymous">

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootst
rap.min.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.m
in.js">
  </script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstra
p.min.js">
  </script>
  <title>Portfolio</title>
</head>

<body>

  <div class="text-center">

    
  </div>

  <!-- Navbar Section -->
  <nav class="navbar navbar-expand-sm bg-success navbar-light">
    <!-- Brand/logo -->
    <a class="navbar-brand" href="">
      
    </a>
    <button class="navbar-toggler" type="button"
data-toggle="collapse"

```

```

        data-target="#collapse_Navbar">
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="collapse_Navbar">
        <ul class="navbar-nav">
            <li class="nav-item">
                <a class="nav-link text-white"
href="#educational-info">Education</a>
            </li>
            <li class="nav-item">
                <a class="nav-link text-white"
href="#Prof-skill">Professional Skills</a>
            </li>
            <li class="nav-item">
                <a class="nav-link text-white"
href="#contact-us">Contact Us</a>
            </li>
        </ul>
    </div>
</nav>

```

```

<!-- Carousel wrapper -->
<div id="carouselExampleControls" class="carousel slide
text-center carousel-dark"
    data-ride="carousel">
    <div class="carousel-inner">
        <div class="carousel-item active">
            
            <div class="row d-flex justify-content-center">
                <div class="col-lg-8">
                    <h5 class="mb-3">Suraj Kr. Gupta</h5>

```

```

<p>Python - TCE</p>

```

```

    <p class="text-muted">
        <i class="fas fa-quote-left pe-2"></i>
        A Technical Content Engineer is a technologist
        that ensures that Tetrade's
        products are positioned in such a way that they
        effectively represent the
        value we provide to our clients. This entails
        creating unique marketing
        solutions and communications that clearly
        communicate our products'
        technical and business benefits.
    </p>

    </div>
</div>
    <ul class="list-unstyled d-flex justify-content-center
text-warning mb-0">
        <li><i class="fas fa-star fa-sm"></i></li>

```



```

        <li><i class="fas fa-star fa-sm"></i></li>
        <li><i class="fas fa-star fa-sm"></i></li>
        <li><i class="fas fa-star fa-sm"></i></li>
        <li><i class="far fa-star fa-sm"></i></li>
    </ul>
</div>

</div>

</div>
<!-- Carousel wrapper -->

<div class="section" id="about">
    <div class="container">
        <div class="card aos-init aos-animate"
            data-aos="fade-up" data-aos-offset="10">
            <div class="row">
                <div class="col-lg-6 col-md-12">
                    <div class="card-body">
                        <div class="h4 mt-0 title">About</div>

<p>Recent graduate with an MS in Computer Science looking to
    leverage my experience
    building responsive and scalable web... Lorem
ipsum,
    dolor sit amet consectetur adipisicing elit.
    "Graduate of computer science with experience
working across
    the full-stack of software development. Ive
built a few.
    </div>
    </div>

    <div class="col-lg-6 col-md-12">
        <div class="card-body">
            <div class="h4 mt-0 title">Basic Information</div>
            <div class="row">
                <div class="col-sm-4">
                    <strong class="text-uppercase">
                        Age:
                    </strong></div>
                <div class="col-sm-8">25</div>
            </div>
            <div class="row mt-3">
                <div class="col-sm-4">
                    <strong class="text-uppercase">
                        Email:
                    </strong></div>
                <div class="col-sm-8">S***@gmail.com</div>
            </div>
            <div class="row mt-3">
                <div class="col-sm-4">
                    <strong class="text-uppercase">
                        Phone:

```

```

        </strong></div>
        <div class="col-sm-8">8*****89</div>
    </div>
    <div class="row mt-3">
        <div class="col-sm-4">
            <strong class="text-uppercase">
                Address:
            </strong></div>
            <div class="col-sm-8">
                Patna, Bihar, India
            </div>
        </div>
        <div class="row mt-3">
            <div class="col-sm-4">
                <strong class="text-uppercase">
                    Language:
                </strong></div>
                <div class="col-sm-8">English, Hindi</div>
            </div>
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>

```

```

<div class="section" id="skill">
    <div class="container my-2">
        <div class="h4 text-center mb-4 title"
id="educational-info">
            Education
        </div>
        <div class="card" data-aos="fade-up"
data-aos-anchor-placement="top-bottom">
            <div class="card-body">
                <div class="h5">Master in Computer Application</div>
                <p class="category">LNMI INSTITUTE OF TECHNOLOGY</p>
                <p>Lorem ipsum, dolor sit amet consectetur adipisicing
elit. Suscipit, dolore.</p>
            </div>
        </div>
    </div>
</div>

```

```

<p>
    <b>Projects:</b><br>
    <ul>
        <li>Lorem ipsum dolor sit amet consectetur
adipisicing elit.
            Praesentium a veritatis voluptas
            officiis distinctio molestiae nesciunt in eos
nulla quam!</li>
        <li>Lorem ipsum dolor sit amet, consectetur
adipisicing e
            lit. Facilis, assumenda.</li>
    </ul>
</p>

```

```

    </div>
  </div>
</div>

<div class="section" id="skill">
  <div class="container my-2">
    <div class="h4 text-center mb-4 title"
id="Prof-skill">Professional Skills</div>
    <div class="card" data-aos="fade-up"
data-aos-anchor-placement="top-bottom">
      <div class="card-body">
        <b>Programming Languages:</b> R, Python, SQL,
GoLang<br><br>
        <b>Tools:</b> NumPy, Pandas, Matplotlib, MS Excel,
OpenCV<br><br>
        <b>Database Management Systems:</b> MySQL, , postgres,
MongoDB, SQLite3<br><br>
        <b>Internet Technologies:</b> Flask, HTML5, CSS,
Django
      </div>
    </div>
  </div>
</div>

<div class="container">
  <div class="section" id="contact">
    <div class="cc-contact-information">
      <div class="container" style="margin-top: 3rem;">
        <div class="cc-contact">
          <div class="row">
            <!-- <div class="col-md-9"> -->
              <div class="h4 text-center title"
id="contact-us">
                Contact Us
              </div>
              <div class="card mb-0" data-aos="zoom-in">

                <div class="row">
                  <div class="col-md-6">
                    <div class="card-body">
                      <form action="/sendemail/" method="POST">
                        <div class="p pb-3">
                          <strong>Feel free to contact </strong>
                        </div>
                        <div class="row mb-3">
                          <div class="col">
                            <div class="input-group">
                              <span class="input-group-addon"><i
fa-user-circle"></i></span>
                                <input class="form-control"
type="text"
                                name="name"
                                placeholder="Name"

```

```

        required="required" />
    </div>
</div>
</div>
<div class="row mb-3">
    <div class="col">
        <div class="input-group">
            <span class="input-group-addon"><i
fa-file-text"></i></span>
                <input class="form-control"
type="text"
                    name="Subject"
placeholder="Subject"
                        required="required" />
        </div>
    </div>
</div>
<div class="row mb-3">
    <div class="col">
        <div class="input-group">
            <span class="input-group-addon"><i
fa-envelope"></i></span>
                <input class="form-control"
type="email"
                    name="_replyto"
placeholder="E-mail"
                        required="required" />
        </div>
    </div>
</div>
<div class="row mb-3">
    <div class="col">
        <div class="form-group">
            <textarea class="form-control"
name="message"
                placeholder="Your
Message"
                    required="required"></textarea>
        </div>
    </div>
</div>
<div class="row">
    <div class="col">
        <button class="btn btn-primary"
type="submit">
            Send
        </button>
        <a class="btn btn-primary"
target="_blank"
            href="{{
url_for('static',filename='Suraj.pdf') }}"
            data-aos="zoom-in"

```

[illegible]

</html>