

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="fas 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>
    <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 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>
        <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>
```

```

</div>
</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
class="fa
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
class="fa
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
```

```
class="fa
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"
data-aos-anchor="data-aos-anchor">
Download CV</a>
</div>
</div>
</form>
```

```
</div>
</div>
<div class="col-md-6">
<div class="card-body">
<p class="mb-0">
<strong>Address </strong>
</p>
<p class="pb-2">136, Royal Kapson, Noida,
India, 800123</p>
<p class="mb-0"><strong>Phone</strong></p>
<p class="pb-2">+91 345-567-8346</p>
<p class="mb-0"><strong>Email</strong></p>
<p>skr@gmail.com</p>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- Optional JavaScript; choose one of the two! -->
<!-- Option 1: Bootstrap Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootst
rap.bundle.min.js"
integrity="sha384-MrcW6ZMFYlzcLA8NI+NtUVF0sA7MsXsPIUyJoMp4YLEuNS
fAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</body>
```

```
</html
```

