

Assignment date	16/09/2022
Student name	HARINI K B
Student roll no.	194022
Maximum marks	2 marks

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
working across built a few.                adipisicing elit.
                                           "Graduate of
                                           computer science
                                           with experience

                                           the full-stack of software development.
                                           Ive

    </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>

<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
placeholder="Name"
                                class
                                  ="for
                                  m-con
                                  trol"

```

name=

"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> type="text"                                <input
placeholder="Subject"                                cla

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                                "fo

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                                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> type="email"                                <input
placeholder="E-mail"                                cl

                                as

                                s=

                                "f

                                or

                                m-

                                co

```

```

nt
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me
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name="message" Message"

type="submit">

target="_blank"

url_for('static',filename='Suraj.pdf') }}"
data-aos="zoom-in"

ep
ly
to
"

required="required" />
</div>
</div>

</div>
<div class="row mb-3">
  <div class="col">
    <div class="form-group">
      <textarea class="form-control"
        p
        lacehol
        der="Yo
        ur
        require
        d="requ
        ired"><
        /textar
        ea>
    </div>
  </div>
</div>
<div class="row">
  <div class="col">
    <button
      class
      ="btn
      btn-p
      rimar
      y"
      Send
    </button>
    <a class="btn btn-primary"

      href="{{

```

```

                                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>

                                <!-- 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-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsPlUyJoMp4YLEuNS
fAP+JcXn/tWtIaxVXM"

                                crossorigin="anonymous"></script>

                                </body>

```

</html>