Assignment date	16/09/2022
Student name	DEEPA REKHA S
Student roll no.	194334
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">
   (tr>
           Name 
          <input type = "text" Name = "uName" required minlength="4"/>
      (tr>
           Phone 
          <input type = "number" Name = "uPhone" required minlength="100000"/>
       E-mail 
          <input type = "email" Name = "uEmail" required/>
       <button type = "submit" > Submit </button>
      </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":
```

```
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)
```

session["name"] =

```
Write a flask program which should display resume details
and also have upload resume option
from flask import Flask, render template, request, url for,
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"</pre>
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"</pre>
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">
   <img
src="https://media.geeksforgeeks.org/wp-content/uploads/geeksfor
geeks-12.png"
         style="width:30%; height: 100px;"
      alt="...">
  </div>
  <!-- Navbar Section -->
  <nav class="navbar navbar-expand-sm bg-success navbar-light">
   <!-- Brand/logo -->
    <a class="navbar-brand" href="">
      <img
src="https://www.geeksforgeeks.org/wp-content/uploads/gfg transp
arent white small.png" alt="logo"
        style="width:40px;">
    <button class="navbar-toggler" type="button"</pre>
data-toggle="collapse"
```

```
data-target="#collapse Navbar">
     <span class="navbar-toggler-icon"></span>
   </button>
   <div class="collapse navbar-collapse" id="collapse Navbar">
     <a class="nav-link"
text-white"
href="#educational-info">Education</a>
       class="nav-item">
        <a class="nav-link text-white"</pre>
href="#Prof-skill">Professional
Skills</a>
       <a class="nav-link"
text-white" href="#contact-us">Contact
Us</a>
      </div>
 </nav>
 <!-- Carousel wrapper -->
 <div id="carouselExampleControls" class="carousel</pre>
slide text-center carousel-dark"
     data-ride="carousel">
   <div class="carousel-inner">
     <div class="carousel-item active">
       <img class="rounded-circle shadow-1-strong mb-4"</pre>
        src="../static/images/gfglogo.jpg"
        alt="avatar"
style="width: 150px;" />
      <div class="row d-flex justify-content-center">
        <div class="col-lq-8">
          <h5 class="mb-3">Suraj Kr. Gupta</h5>
Python - TCE
          <i class="fas fa-quote-left pe-2"></i>
            A Technical Content Engineer is a technologist
            that ensures that Tetrate'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.
          </div>
       </div>
       text-warning mb-0">
        <i class="fas fa-star fa-sm"></i>
```

```
<i class="fas fa-star fa-sm"></i>
         <i class="fas fa-star fa-sm"></i>
         <i class="fas fa-star fa-sm"></i>
         <i class="far fa-star fa-sm"></i>
       </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>
Recent graduate with an MS in Computer Science looking to
               leverage my experience
               building responsive and scalable web... Lorem
                                           dolor sit amet
ipsum,
                                           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 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>
         LNMI INSTITUTE OF TECHNOLOGY
  Lorem ipsum, dolor sit amet consectetur adipisicing
           elit. Suscipit, dolore.
>
                                              <b>Projects:</b><br>
                                              Lorem ipsum dolor sit amet
                                              consectetur
adipisicing elit.
             Praesentium a veritatis voluptas
             officiis distinctio molestiae nesciunt in eos
nulla quam!
           Lorem ipsum dolor sit amet, consectetur
adipisicing e
             lit. Facilis, assumenda.
```

```
</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">
          <br/>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: 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</pre>
                                  class="fa
fa-user-circle"></i></span> type="text"
                                            <input
placeholder="Name"
                                                     class
                                                     ="for
                                                    m-con
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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</pre>
                                   class="fa
fa-file-text"></i></span> type="text"
                                                 <input
placeholder="Subject"
                                                         cla
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                                                         "fo
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                                                   required="required" />
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                           <div class="col">
                             <div class="input-group">
                               <span class="input-group-addon"><i</pre>
                                   class="fa
fa-envelope"></i></span> type="email"
                                                  <input
placeholder="E-mail"
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СО

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          na
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                                                 <div class="row mb-3">
                                                  <div class="col">
                                                     <div class="form-group">
                                                       <textarea class="form-control"
name="message" Message"
                                                         lacehol
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                                                        require
                                                        d="requ
                                                        ired"><
                                                        /textar
                                                         ea>
                                                    </div>
                                                   </div>
type="submit">
                                                </div>
                                                 <div class="row">
                                                   <div class="col">
                                                    <button
target="_blank"
                                                      class
                                                       ="btn
                                                       btn-p
                                                       rimar
                                                       У"
                                                       Send
                                                     </button>
                                                     <a class="btn btn-primary"</pre>
                                                      href="{{
url for('static',filename='Suraj.pdf') }}"
                               data-aos="zoom-in"
```

```
</div>
                    </div>
                   </form>
                 </div>
               </div>
               <div class="col-md-6">
                 <div class="card-body">
                   <strong>Address </strong>
                   136, Royal Kapson, Noida,
India, 800123
                   <strong>Phone</strong>
                   +91 345-567-8346
                   <strong>Email</strong>
skr@gmail.com
                 </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-MrcW6ZMFY1zcLA8N1+NtUVF0sA7MsXsP1UyJoMp4YLEuNS
fAP+JcXn/tWtIaxVXM"
   crossorigin="anonymous"></script>
</body>
```