#### Assignment -1

Flask Programming

Student Name	Ms. Aarthi Suresh Kumar
Student Roll Number	195001003

#### Question-1:

1. Create a registration page in html with username, email and phone number and by using POST method display it in the next html page.

```
index.html:
<html>
<body>
<form action="{{ url_for("registration")}}" method="post">
<center>
<h1>REGISTRATION</h1><br/><br/>
 <label for="username"><span style="color:grey">UserName</span></label>
 <input type="text" id="username" name="username"
placeholder="username"><br/><br/>
 <label for="mobile"><span style="color:grey">Mobile</span></label>
 <label for="email"><span style="color:grey">Email</span></label>
 <input type="email" id="email" name="email" placeholder="email"><br/>><br/>>
 <button type="submit" style="background-color:grey;color:white">Login</button>
</center>
</form>
</body>
</html>
display.html:
<html>
<body>
 <center>
   <h2>DETAILS</h2>
   <h4>User Name: {{username}} </h4>
   <h4>Email: {{email}} </h4>
   <h4>Mobile: {{mobile}} </h4>
 </center>
</body>
</html>
server.py:
from flask import Flask, request, render_template, redirect, url_for
```

```
app = Flask(__name__, template_folder='template')

@app.route('/', methods =["GET", "POST"])
def registration():
    if request.method == "POST":
        username = request.form.get("username")
        mobile_num = request.form.get("mobile")
        email = request.form.get("email")
        return render_template('display.html',username=username, mobile=mobile_num, email=email)

elif request.method == 'GET':
    return render_template("login.html")

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

# REGISTRATION

UserName aarthi
Mobile 4532314323
Email aarthi19003@cse.ssn.edu.in
aartni19003@cse.ssn.edu.in
Login

### **DETAILS**

User Name: aarthi

Email: aarthi19003@cse.ssn.edu.in

Mobile: 4532314323

#### Question-2:

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

#### Solution:

Developed a quiz application using Flask that uses pypi.org libraries like url\_for, render\_template, redirect\_url ans and accepts user input as answers and displays the solution along with user answers in the following page.

#### server.py:

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

app = Flask(__name__, template_folder='template')

ANSWER1='Armin Ronacher'

ANSWER2='Both'

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

def quiz():
    if request.method == "POST":
        user_answer_1 = request.form.get('qn1')
        user_answer_2 = request.form.get('qn2')
```

```
return render_template('results.html', qn1="Who first created Flask?", qn2="Jinja tags are
written
                           in",user answer qn1=user answer 1,correct answer qn1=ANSWER1,
user_answer_qn2=user_answer_2, correct_answer_qn2=ANSWER2)
  elif request.method == 'GET':
    return render_template("index.html")
if name ==' main ':
  app.run(debug=True)
index.html:
<html>
<head>
<style>
*{
  margin-left:10px;
  margin-top:5px;
  margin-bottom:5px;
}
input {
  margin-left:100px;
</style>
</head>
<body>
<form action="{{ url_for("quiz")}}" method="post">
<center>
<h1>QUIZ APPLICATION</h1><br/>
</center>
                <label
                         for="qn1"><span
                                             style="color:grey">Q1.
                                                                      Who
                                                                              first
                                                                                      created
Flask?</span></label><br/>
  <input type="radio" name="qn1" value="Armin Ronacher">Armin Ronacher<br/>br/>
  <input type="radio" name="qn1" value="Sebastian Witowski">Sebastian Witowski<br/>
  <input type="radio" name="qn1" value="Andrew Ng">Andrew Ng<br/><br/>
  <label for="qn2"><span style="color:grey">Q2. Jinja tags are written in</span></label><br/>br/><br/>
  <input type="radio" name="qn2" value={{"%{%}"}}>{{"%{%}"}}<br/><br/>
  <input type="radio" name="qn2" value={{"{{}}"}}><fret{"{{}}"}}<br/><br/>
  <input type="radio" name="qn2" value="Both">Both<br/><br/><br/><br/>
  <input type="submit" value="submit">
</form>
</body>
</html>
results.html:
<html>
```

```
<head>
<style>
 table,tr,th,td{
   border: 1px black solid;
   margin: 15px;
   padding: 15px;
 }
</style>
</head>
<body>
<center>
 <br/><br/>
 <h3 style="margin-top:15px;color:violet">RESULT</h3>
 Question
    Your answer
    Correct answer
   {{qn1}}
    {{user_answer_qn1}}
    {{correct_answer_qn1}}
   {{qn2}}
    {{user_answer_qn2}}
    {{correct_answer_qn2}}
   </center>
</body>
</html>
```

## **QUIZ APPLICATION**

Q1. Who first created Flask?
OArmin Ronacher
Sebastian Witowski
O Andrew Ng
Q2. Jinja tags are written in
○%{%}
○{{}}
<ul><li>Both</li></ul>
submit

#### **RESULT**

Question	Your answer	Correct answer
Who first created Flask?	Sebastian Witowski	Armin Ronacher
Jinja tags are written in	Both	Both