

## ASSIGNMENT -2

### FLASK PROGRAMMING

Assignment Date	24 September2022
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Maximum Marks	2 Marks

#### QUESTION:

1. Create a Flask App
2. Add the Home page, About Page
3. Add the Bootstrap
4. Add the Sign in page and App the Signup Page + (add database)

#### SOLUTION:

##### APP.PY

```
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__":
```

## INDEX.HTML

```
{% 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 %}
```

## LOGIN.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>

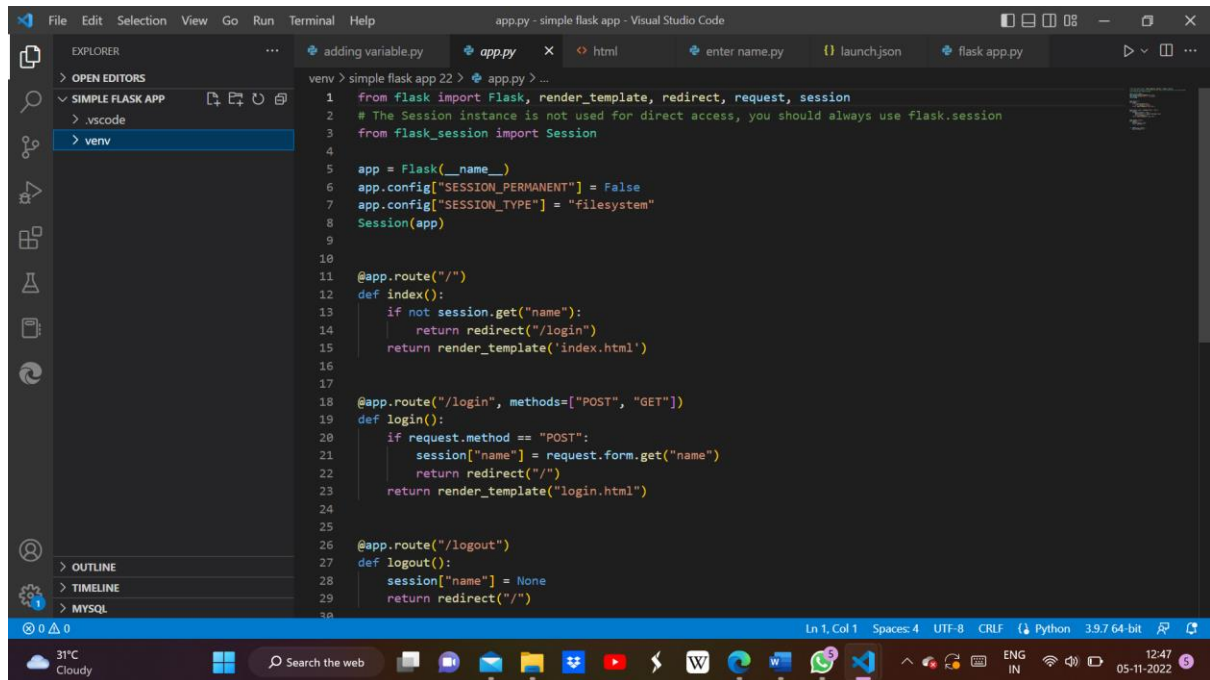
{% endblock %}
```

## LAYOUT.HTML

```
<!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>
```



The screenshot shows the Visual Studio Code interface with a Python file named `app.py` open. The code is a simple Flask application using `Flask` and `Flask-Session`. It includes routes for `/`, `/login`, and `/logout`. The `/login` route is configured to accept both POST and GET requests. The `/logout` route clears the session. The terminal at the bottom shows the command `python app.py` being executed.

```
1 from flask import Flask, render_template, redirect, request, session
2 # The Session instance is not used for direct access, you should always use flask.session
3 from flask_session import Session
4
5 app = Flask(__name__)
6 app.config["SESSION_PERMANENT"] = False
7 app.config["SESSION_TYPE"] = "filesystem"
8 Session(app)
9
10
11 @app.route("/")
12 def index():
13     if not session.get("name"):
14         return redirect("/login")
15     return render_template('index.html')
16
17
18 @app.route("/login", methods=["POST", "GET"])
19 def login():
20     if request.method == "POST":
21         session["name"] = request.form.get("name")
22         return redirect("/")
23     return render_template("login.html")
24
25
26 @app.route("/logout")
27 def logout():
28     session["name"] = None
29     return redirect("/")
30
```



## REGISTER