

Experiment-11

Date: 8/8/25

Develop a web app with login and welcome pages when the user submits a user name and password validate and verify user details on success navigate to the welcome page.

1. Go to visual studio
2. Open folder flask_first file which is saved on desktop
3. Create a new file and save as **app.py**

```
from flask import Flask, request, render_template  
app = Flask(__name__)  
@app.route('/')  
def hello_world():  
    return render_template('login.html')
```

<html>
 <head> {body} </head>
 <body>
 <h1> Welcome to my website </h1>

Create a new file and save as login.html

4. Create a new file and save as login.html

```

<html>
  <head>
    <meta charset="UTF-8" />
  <title>Login</title>
</head>
<body>
  <form action="form-login" method="Post">
    <h2><h2>Username<br>
    <input type="text" name="username">
    <br>Password">
    <br>
    <input type="submit" value="Login">
  </form>
</body>

```

```
<form>  
<h1>{{info}}</h1>  
</body>  
</html>
```

5. Create a new file and save as home.html

```
<html>  
<head>  
  <meta charset="UTF-8">  
  <title>Home</title>  
</head>  
<body background="#00FFFF">  
  <br>  
  <h1 align="center">  
    Welcome {{name}}  
  </h1>  
  <br>  
  <body>  
</html>
```

6. Go to command prompt

```
C:\Users\student>cd desktop
C:\Users\student\Desktop>cd flask_first
C:\Users\student\Desktop\flask_first>hello.py
c:\Users\student\Desktop\flask_first>python -m venv .\venv\
c:\Users\student\Desktop\flask_first> .\venv\Scripts\activate
```

```
(venv) C:\Users\student\Desktop\flask_first>flask run
```

```
[venv] C:\Users\student\Desktop\flask_first>flask run
 * Debug mode: off
 * Running on http://127.0.0.1:5000
127.0.0.1 - [01/Sep/2023 14:09:30] "GET / HTTP/1.1" 200 -
127.0.0.1 - [01/Sep/2023 14:09:30] "HTTP/1.1 200 OK" 1044
```

7. Click on <http://127.0.0.1:5000>



VIVA QUESTIONS

- What is the default host port and port of flask?

Ans. By default, the flask app runs on
Port = 5000

- Why is flask called a Micro framework?

Ans. It is microframework because it does require
Particular tools.

- How to use the flask commands?

Ans. To use the application we use the Flask command

- How to create an admin interface in flask?

Ans. First, Create a file called app.py where Python is
written. In this file, we import all the libraries
we need to execute our app connect to my SQL.

- Describe the features of forms extension for flask.

Ans. flask has no extension that makes it easy to
Create web forms.