

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>
<html>{login}</html>
</body>
</html>

```

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

```

<html>
<head>
  <meta charset="UTF-8">
  <title>login</title>
</head>
<body bgcolor="#5bc0de">
  <form action="/form/login" method="post">
    <h2></h2>Username<br>
    <input type="text" name="username">
    <br>Password<br>
    <br>
    <input type="submit" value="login">
  </form>

```



```

</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 bgcolor="teal">
  <br>
  <h1 align="center">
    Welcome {{name}}
  </h1>
</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

```

```

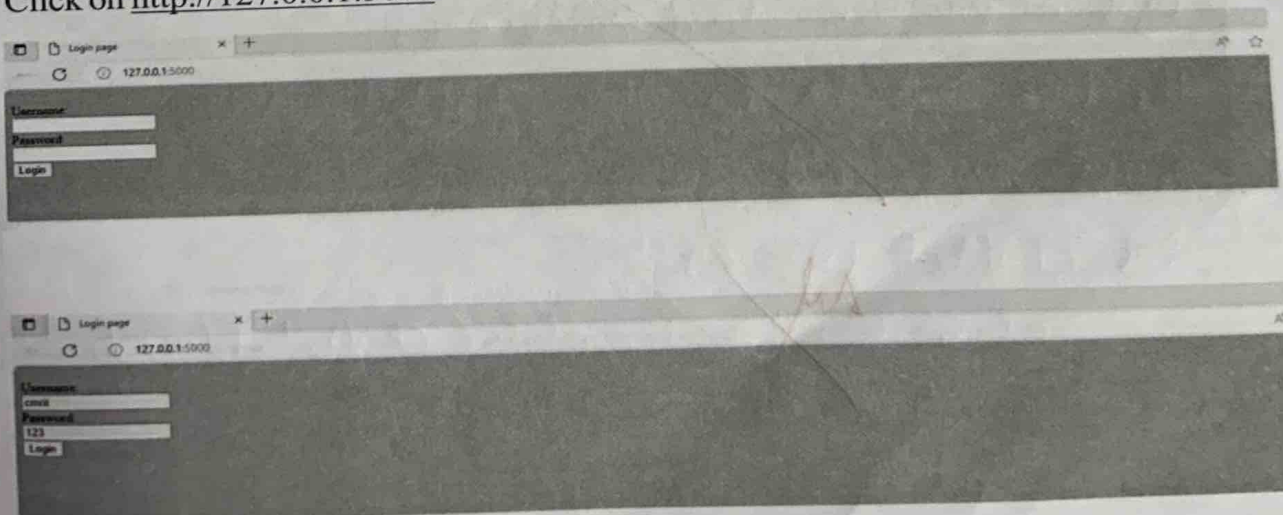
(venv) C:\Users\student\Desktop\flask_first>flask run

```

```

(venv) C:\Users\student\Desktop\flask_first>flask run
 * Debug mode: off
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [01/Sep/2023 14:05:34] "GET / HTTP/1.1" 200
127.0.0.1 - - [01/Sep/2023 14:05:34] "POST / HTTP/1.1" 200

```

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

VIVA QUESTIONS

1. What is the default host port and port of flask?

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

2. Why is flask called a Micro framework?

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

3. How to use the flask commands?

Ans. To use the application use the flask command.

4. 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 create our app connected to my sql.

5. Describe the features of forms extension for flask.

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