

# SESSION

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## Praktikum Session

File index.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Cookie Dan Session</title>
6  </head>
7  <body>
8      <h1>Halaman Utama</h1>
9      {#Menampilkan elemen dari dictionary #}
10     <ul>
11         {% for key, value in menu.items() %}
12             <li><a href="{ { key } }">{ { value } }</a> </li>
13         {% endfor %}
14     </ul>
15 </body>
16 </html>
```

File sesihome.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Session</title>
6  </head>
7  <body>
8      <h1>Penerapan Session</h1>
9      <p style="color:red">{ { msg } }</p>
10     <p>Aksi:
11         <a href="http://localhost:5000/ubahSession">Ubah Session </a> ||
12         <a href="http://localhost:5000/hapusSession"> Hapus Session</a>
13     </p>
14     <p>Lihat nilai Session</p>
15     <p>
16         <a href="http://localhost:5000/sessi1">Session 1</a>
17         <a href="http://localhost:5000/sessi2">Session 2</a>
18     </p>
19 </body>
20 </html>
```

File sesi1.html

```
1      <!DOCTYPE html>
2      <html lang="en">
3      <head>
4          <meta charset="UTF-8">
5          <title>Session 1</title>
6      </head>
7      <body>
8          <h1>Sessi 1</h1>
9          <p>Nilai "var" : {{ var }}</p>
10     </body>
11     </html>
```

File sesi2.html

```
1      <!DOCTYPE html>
2      <html lang="en">
3      <head>
4          <meta charset="UTF-8">
5          <title>Session 2</title>
6      </head>
7      <body>
8          <h1>Sessi 2</h1>
9          <p>Nilai "var" : {{ var }}</p>
10     </body>
11     </html>
```

File formlogin.html

```

1      <!DOCTYPE html>
2      <html lang="en">
3      <head>
4          <meta charset="UTF-8">
5          <title>Session</title>
6      </head>
7      <body>
8          <h1>Penerapan Session pada Sistem Otentikasi User</h1>
9          {% if pesan %}
10             <p style="color:red">{{ pesan }}</p>
11          {% endif %}
12          <form action="http://localhost:5000/login" method="post">
13              Username: <br />
14              <input type="text" name="txtUserName" required/> <br />
15              Password: <br />
16              <input type="password" name="txtPassword" required/> <br />
17              <p><input type="submit" value="Login" /></p>
18          </form>
19      </body>
20  </html>

```

File otentikasi.html

```

1      <!DOCTYPE html>
2      <html lang="en">
3      <head>
4          <meta charset="UTF-8">
5          <title>Session</title>
6      </head>
7      <body>
8          <h1>Penerapan Session pada Sistem Otentikasi User</h1>
9          <p>
10              Selamat datang {{ username }}. <a href="/logout">Logout</a>
11          </p>
12      </body>
13  </html>

```

## Models.py

```
1 class User(object):
2     def __init__(self, username=None, password=None):
3         self.username = username
4         self.password = password
5
6     def setUsername(self, username):
7         self.username = username
8
9     def setPassword(self, password):
10        self.password = password
11
12    def authenticate(self):
13        import mysql.connector
14        con = mysql.connector.connect(user='root',password='',\
15                                     database='dblibrary',host='localhost')
16
17        cursor = con.cursor()
18        cursor.execute(''
19        SELECT COUNT(*) FROM tUser WHERE iduser='%s' and \
20        password = password('%s')'' % (self.username, self.password))
21        n = (cursor.fetchone())[0]
22        cursor.close()
23        con.close()
24        return True if n == 1 else False
```

## File app.py

```

1  from flask import Flask, render_template, session, \
2      request, redirect, url_for
3  from models import User
4
5  app = Flask(__name__)
6  app.config['SECRET_KEY'] = '1234567890987654321'
7  @app.route('/')
8  def index():
9      dictionary = {
10         '/sesi': 'Penerapan Session',
11         '/cook': 'Penerapan Cookies',
12         '/otentikasi': 'Sistem Otentikasi'
13     }
14     return render_template('index.html', menu=dictionary)
15
16     @app.route('/sesi')
17     def sesi():
18         msg = 'Session "var" telah dibuat'
19         session['var'] = 100
20         return render_template('sesihome.html', msg = msg)
21

```

```

22 @app.route('/ubahSession')
23 def ubahSession():
24     session['var'] = 200
25     msg = 'Nilai Session "var" telah diubah'
26     return render_template('sesihome.html', msg = msg)
27
28 @app.route('/hapusSession')
29 def hapusSession():
30     if 'var' in session.keys():
31         msg = 'Session "var" telah di hapus'
32         session.pop('var', None)
33     else:
34         msg = 'Session "var" tidak ada'
35     return render_template('sesihome.html', msg = msg)
36
37 @app.route('/sessi1')
38 def sessi1():
39     if 'var' in session.keys():
40         var = session['var']
41     else:
42         var = None
43     return render_template('sessi1.html', var = var)
44
45 @app.route('/sessi2')
46 def sessi2():
47     if 'var' in session.keys():
48         var = session['var']
49     else:
50         var = None
51     return render_template('sessi2.html', var=var)
52
53 #===== Sistem Otentikasi User =====#
54 @app.route('/otentikasi')
55 def otentikasi():
56     if 'username' in session:
57         username = session['username']
58         return render_template('otentikasi.html', username = username)
59     return redirect(url_for('login'))

```



```

60
61 @app.route('/login', methods=['GET', 'POST'])
62 def login():
63     if request.method == 'POST':
64         username = request.form['txtUserName']
65         password = request.form['txtPassword']
66         user = User(username, password)
67         if user.authenticate():
68             session['username'] = username
69             return redirect(url_for('otentikasi'))
70         pesan = 'Username atau Password Salah'
71         return render_template('formlogin.html', pesan = pesan)
72     return render_template('formlogin.html')
73
74 @app.route('/logout')
75 def logout():
76     session.pop('username', None)
77     return redirect(url_for('otentikasi'))
78
79 if __name__ == '__main__':
80     app.run(debug=True)

```

Database dan table:

Server: 127.0.0.1 » Basis data: dblibrary » Tabel: tuser

Jelajahi

Struktur

SQL

Cari

Tamba

Struktur tabel

Tampilan hubungan

#	Nama	Jenis	Penyortiran	Atribut	Tak
<input type="checkbox"/> 1	<b>iduser</b>	varchar(10)	utf8mb4_general_ci		Tidal
<input type="checkbox"/> 2	<b>nama</b>	varchar(30)	utf8mb4_general_ci		Tidal
<input type="checkbox"/> 3	<b>password</b>	varchar(100)	utf8mb4_general_ci		Tidal

## Library

Package	Version
Flask	1.1.2
Flask-Mail	0.9.1
Jinja2	2.11.3
MarkupSafe	1.1.1
PyMySQL	1.0.2
Werkzeug	1.0.1
blinker	1.4
click	7.1.2
itsdangerous	1.1.0
mysql	0.0.2
mysql-connector-python	8.0.23
mysqlclient	2.0.3
pip	21.0.1
protobuf	3.15.6
setuptools	54.2.0
six	1.15.0