webapp\_bottle.py

**import** bottle  
  
*#How to create website*app=bottle.Bottle()  
  
@app.error(404) *#decorator to handle the errors***def** errorpage(err):  
 **return 'Page under construction'**@app.route(**'/'**) *#/ indicates home url***def** indexpage():  
 **return 'Welcome'**@app.route(**'/about'**)  
**def** aboutpage():  
 **return '<b>This is about</b>'**@app.route(**'/login'**)  
**def** loginpage():  
 **return '''<form action='/verify' method='POST'>  
 Username:<input type='text' name='uname'/><br/>  
 Password:<input type='password' name='pw'/><br/>  
 <input type='submit' value='LOGIN'/>  
 </form>'''**@app.route(**'/verify'**,method=**'POST'**) *#default method=GET***def** verifypage():  
 u=bottle.request.forms.get(**'uname'**) *#forms like a dictionary  
 #forms={'uname':XYZ}  
 #to access any name: forms['uname']-> will throw an error if uname key not present. forms.get('uname')->will print None if key not found* p=bottle.request.forms.get(**'pw'**)  
 **if not**(u==**'abc' and** p==**'xyz'**):  
 **return 'LOGIN FAILED!'  
 else**:  
 *#return 'LOGIN SUCCESS!'* bottle.TEMPLATE\_PATH.append(**r'C:\Python Training\bin'**)  
 **import** sqlite3  
 con=sqlite3.connect(**'mydb.sqlite3'**)  
 cur=con.cursor()  
 cur.execute(**'SELECT \* FROM LOGDATA'**)  
 result=cur.fetchall()  
 **return** bottle.template(**'report.tpl'**,res=result)  
  
*#app.run()*app.run(host=**'192.168.3.68'**, port=8080)

report.tpl

<html>  
<head>  
<title>Welcome to Log Report</title>  
</head>  
<body>  
<h1>LOG REPORT</h1>  
<table border='1' bgcolor='green'>  
%for ip,dt,im,url in res:  
%if im=='No image':  
<tr bgcolor='yellow'>  
<td>{{ip}}</td>  
<td>{{dt}}</td>  
<td bgcolor='red'>{{im}}</td>  
<td>{{url}}</td>  
</tr>  
%else:  
<tr>  
<td>{{ip}}</td>  
<td>{{dt}}</td>  
<td>{{im}}</td>  
<td>{{url}}</td>  
</tr>  
%end  
%end  
</table>  
</body>  
</html>

O/P:

"C:\Python Training\myvenv1\Scripts\python.exe" "C:/Python Training/bin/webapp\_bottle.py"

Bottle v0.12.18 server starting up (using WSGIRefServer())...

Listening on http://192.168.3.68:8080/

Hit Ctrl-C to quit.

192.168.3.68 - - [12/Jan/2020 21:55:27] "GET / HTTP/1.1" 200 7

192.168.3.68 - - [12/Jan/2020 21:55:32] "GET /login HTTP/1.1" 200 227

192.168.3.68 - - [12/Jan/2020 21:55:40] "POST /verify HTTP/1.1" 200 18188

On the website:





