Web\_flask.py

**import** flask  
  
*#How to create website*app=flask.Flask(**'MyApp'**) *#argument=any name to the app*@app.errorhandler(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'**,methods=[**'POST'**]) *#default method=GET***def** verify\_page():  
 u=flask.request.form.get(**'uname'**) *#forms like a dictionary  
 #form={'uname':XYZ}  
 #to access any name: form['uname']-> will throw an error if uname key not present. forms.get('uname')->will print None if key not found* p=flask.request.form.get(**'pw'**)  
 **if not**(u==**'abc' and** p==**'xyz'**):  
 **return 'LOGIN FAILED!'  
 else**:  
 *#return 'LOGIN SUCCESS!'* **import** sqlite3  
 con=sqlite3.connect(**'mydb.sqlite3'**)  
 cur=con.cursor()  
 cur.execute(**'SELECT \* FROM LOGDATA'**)  
 result=cur.fetchall()  
 **return** flask.render\_template(**'report.html'**,res=result)  
  
@app.route(**'/download/<filename>'**) *#<filename> is a variable to capture the file name that needs to be download***def** downloadfile(filename):  
 **return** flask.send\_from\_directory(directory=**r'C:\Python Training\bin'**, filename=filename)  
  
@app.route(**'/empid/<int:eid>'**) *#for only numbers: int, float***def** empid(eid):  
 D={**'Name'**:**'abc'**,**'Emp\_id'**:eid}  
 **return** D  
  
@app.route(**'/logdata'**)  
**def** logdata():  
 **return** flask.redirect(**'/login'**) *#will redirect the page to login page*@app.route(**'/passwords'**)  
**def** passwords():  
 **return** flask.abort(201,**'Access Denied'**)  
  
*#app.run()*app.run(host=**'192.168.3.68'**, port=8080)

report.html

<**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**>  
{%endif%}  
{%endfor%}  
</**table**>  
</**body**>  
</**html**>

 