

headTail.py

#!/Python27/Python  
  
def headHtml():  
  
 print("Content\_type: 'html/text' \n\n")  
  
 print("<html>")  
  
 print("<head>")  
  
 print("</head>")  
  
 print("<body>")  
  
  
def tailHtml():  
  
 print("</body>")  
  
 print("</html>")

formInput.py

#!/Python27/Python  
  
import cgi  
  
#from email.policy import default  
  
  
def dispLoginForm():  
  
 print('''  
  
<form action="DoLogin.py" method="get">  
  
login: <input type="text" name="login" cols="10" ><br>  
  
password: <input type="password" name="password" cols="10" ><br>  
  
<input type="submit" name="submit" value="Submit" ><br>  
  
</form>  
  
''')  
  
  
def getLoginInput():  
  
 f = cgi.FieldStorage()  
  
 login = f.getvalue('login', default='')  
  
 password = f.getvalue('password', default='')  
  
 return login, password

Login.py

#!/Python27/Python  
  
import cgi  
from headTail import headHtml  
from headTail import tailHtml  
from formInput import dispLoginForm  
  
  
def main():  
 headHtml()  
 dispLoginForm()  
 tailHtml()  
 return  
  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 try:  
 main()  
 except:  
 cgi.print\_exception()

DoLogin.py

#!/Python27/Python  
  
import cgi  
from headTail import headHtml  
from headTail import tailHtml  
from dbAccess import findPassword  
from formInput import getLoginInput  
  
def main():  
 headHtml()  
 login, password = getLoginInput()  
 #print('login:'+login)  
 #print('password:' + password)  
 if findPassword('acct.db',login) == None or \  
 findPassword('acct.db',login) != password:  
 print ("Invalid Login or Password")  
 tailHtml()  
 else:  
 print("Valid Login and Password ")  
 tailHtml()  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 try:  
 main()  
 except:  
 cgi.print\_exception()

dbAccess.py

#!/Python27/Python  
  
import cgi  
import sqlite3  
  
  
def findPassword(db, login):  
 try:  
 conn = sqlite3.connect(db)  
 cursor = conn.cursor()  
 sql = '''select password from pswdTbl  
 where login="{}" '''.format(login)  
 cursor.execute(sql)  
 dbPassword = (cursor.fetchone())[0]  
 conn.commit()  
 conn.close()  
 return dbPassword  
 except Exception as ex:  
 cgi.print\_exception()