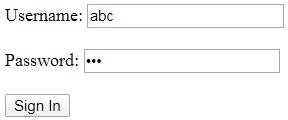
# Practical-11: Python CGI script

1. Develop Login module with CGI script having sign up and sign-in pages:
   * A sign up page provide registration functionalities to register user and store user inputted data (like Email, Username and Password) into table with MySQL database.
   * A sign-in page provides login functionality where user able to login by using their registration details (Username and Password). If username and password matched with database then it can redirect to welcome page otherwise it return message “login unsuccessful”.

Sign up page Sign-in page





# CODE :-

* **signup.py :**

import cgi,cgitb

import mysql.connector cgitb.enable()

fs= cgi.FieldStorage() email=fs.getvalue('em') user\_name=fs.getvalue('un') passwd=fs.getvalue('pwd')

con=mysql.connector.connect(host='localhost',database='demo1',user='root',pa ssword='tiger')

cur=con.cursor()

cur.execute('create table if not exists person (username varchar(20) primary

key, password varchar(20),email text)') cur.execute('insert into person

values(%s,%s,%s)',(user\_name,passwd,email)) con.commit()

con.close()

print ("Content-type:text/html\r\n") print ("<html>")

print ("<head><title>My CGI-Program</title></head>") print ("<body>")

print ("Data successfully inserted") print ("</body>")

print ("</html>")

# test.html :

<form action = "/cgi-bin/signup.py" method = "get"> Email: <input type = "text" name = "em"> <br /> User Name: <input type = "text" name = "un"> <br /> Password: <input type = "text" name = "pwd"> <br />

<input type = "submit" value = "Submit" />

</form>

# signin.py :

import cgi,cgitb

import mysql.connector cgitb.enable()

fs= cgi.FieldStorage() user\_name=fs.getvalue('un') passwd=fs.getvalue('pwd')

con=mysql.connector.connect(host='localhost',database='demo1',user='root',pa ssword='')

cur=con.cursor()

cur.execute('select password from person where username=%s',(user\_name,))

result=() result=cur.fetchone() if result:

if passwd==result[0]:

msg="We welcome you here" else:

msg="wrong signin credentials, Try again !!"

else:

msg="New user? Sign-up first !"

con.close()

print ("Content-type:text/html\r\n") print ("<html>")

print ("<head><title>My CGI-Program</title></head>") print ("<body>")

print (msg)

print ("</body>") print ("</html>")

# test1.html :

<form action = "/cgi-bin/signin.py" method = "get"> User Name: <input type = "text" name = "un"> <br /> Password: <input type = "text" name = "pwd"> <br />

<input type = "submit" value = "Submit" />

</form>

