**GANPAT UNIVERSITY**

**U. V. PATEL COLLEGE OF ENGINEERING**

**B.Tech CE/IT Semester IV**

**2CEIT404: Python Programming**

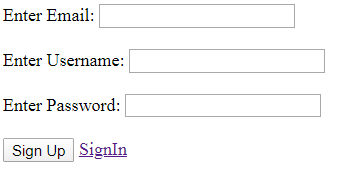
**Practical-11: Python CGI script**

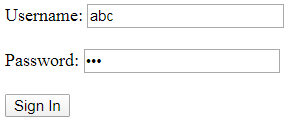
1. Develop Login module with CGI script having sign up and sign-in pages:

 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





**Signup.py:**

import cgi,cgitb

import pymysql

cgitb.enable()

fs= cgi.FieldStorage()

email=fs.getvalue('email')

user\_name=fs.getvalue('username')

passwd=fs.getvalue('password')

con=pymysql.connect(*host*='localhost',*user*='root',*passwd*='',*database*='form')

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

print ("<html>")

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

print ("<body>")

try:

    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()

except Exception as e:

    print("<script>alert('Erorr Occur');window.location.replace('http://localhost/xampp/Practical\_11/signup.html');</script>")

else:

    print("<script>alert('Data successfully inserted');window.location.replace('http://localhost/xampp/Practical\_11/signup.html');</script>")

print ("</body>")

print ("</html>")

**signin.py:**

import cgi,cgitb

import pymysql

cgitb.enable()

fs= cgi.FieldStorage()

user\_name=fs.getvalue('username')

passwd=fs.getvalue('password')

con=pymysql.connect(*host*='localhost',*user*='root',*passwd*='',*database*='form')

try:

    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 !"

except Exception as e:

    msg=e

finally:

    if cur:

        cur.close()

    if con:

        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>")

**signup.html:**

<html>

    <body>

        <form action="signup.py" method="post">

            <table>

                <tr>

                    <th>Signup </th>

                </tr>

                <tr>

                    <td>Email: </td>

                    <td><input type="text" name="email" ></td>

                </tr>

                <tr>

                    <td>Username: </td>

                    <td><input type="text" name="username"></td>

                </tr>

                <tr>

                    <td>Password: </td>

                    <td><input type="password" name="password"></td>

                </tr>

                <tr>

                    <td><input type="submit" name="submit" value="Signup"></td>

                    <td><a href="signin.html">Sign In</a></td>

                </tr>

            </table>

        </form>

    </body>

</html>

**Signin.html:**

<html>

    <body>

        <form action="signin.py" method="post">

            <table>

                <tr>

                    <th>SignIn</th>

                </tr>

                <tr>

                    <td>Username: </td>

                    <td><input type="text" name="username"></td>

                </tr>

                <tr>

                    <td>Password: </td>

                    <td><input type="password" name="password"></td>

                </tr>

                <tr>

                    <td><input type="submit" name="submit" value="SignIn"></td>

                </tr>

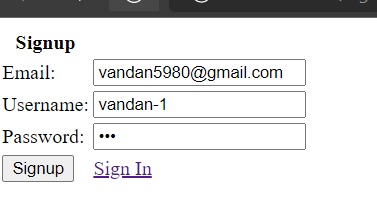
            </table>

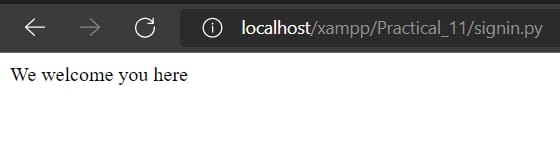
        </form>

    </body>

</html>

**Output:**

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