**Assignment -1**

Python Programming

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| Assignment Date | 26 October 2022 |
| Student Name | MRIDHUL M |
| Student Roll Number | 713319CS082 |
| Maximum Marks | 2 Marks |

**Question-1:**

1.Create registration page in html with username, email and phone number and by using POST method display it in next html page.

**Question-2:**

2. Develop a flask program which should contain at least 5 packages used from pypi.org

**Note:-** Following application contains (Flask , render\_template , url\_for, redirect, request)

**Source Code:**

**Connect.py**

from flask import Flask, render\_template, request, redirect, url\_for, session

import ibm\_db

dsn\_hostname = "815fa4db-dc03-4c70-869a-a9cc13f33084.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"

dsn\_uid = "tbc72932"

dsn\_pwd = "4LioOqzrIBnfCt6c"

dsn\_driver = "{IBM DB2 ODBC DRIVER}"

dsn\_database = "BLUDB"

dsn\_port = "30367"

dsn\_security = "SSL"

dsn = ("DRIVER={0};"

"DATABASE={1};"

"HOSTNAME={2};"

"PORT={3};"

"UID={4};"

"PWD={5};"

"SECURITY={6};").format(dsn\_driver,dsn\_database,dsn\_hostname,dsn\_port,dsn\_uid,dsn\_pwd,dsn\_security)

print(dsn)

try:

  conn = ibm\_db.pconnect(dsn,"","")

  print("success")

except:

  print(ibm\_db.conn\_errormsg())

**App.py**

@app.route("/" , methods=['GET', 'POST'])

def register():

  if request.method == 'POST':

    sql\_stmt = "insert into USER values(?,?,?,?)"

    stmt = ibm\_db.prepare(conn, sql\_stmt)

    username = request.form['username']

    email = request.form['email']

    password = request.form['password']

    number = request.form['number']

    ibm\_db.bind\_param(stmt, 1, username)

    ibm\_db.bind\_param(stmt, 2, email)

    ibm\_db.bind\_param(stmt, 3, password)

    ibm\_db.bind\_param(stmt, 4, number)

    try:

      ibm\_db.execute(stmt)

      return redirect('/')

    except:

      print(ibm\_db.stmt\_errormsg())

  return render\_template('index.html')

**index.html**

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="{{ url\_for('static', filename='loginregister.css') }}">

</head>

<body>

 <div class="login-wrap">

<form method="post" action="/">

            <div class="sign-up-htm">

               <div class="group">

                  <label for="user" class="label">Username</label>

                  <input id="user" type="text" class="input" name="username">

               </div>

               <div class="group">

                  <label for="text" class="label">Email</label>

                  <input id="text" type="text" class="input" name="email">

               </div>

               <div class="group">

                  <label for="pass" class="label">Password</label>

                  <input id="pass" type="password" class="input" name="password" data-type="password">

               <div class="group">

                  <label for="text" class="label">Contact Numner</label>

                  <input id="text" type="text" class="input" name="number">

               </div>

               <div class="group">

                  <input type="submit" class="button" value="Sign Up">

               </div>

               <div class="hr"></div>

               <div class="foot-lnk">

                  <label for="tab-1">Already Member?</a>

               </div>

            </div>

            </form>

         </div>

    </body>

   </html>

**Style.css**

body{

    margin:0;

    color:#7b7b7b;

    background:#282424;

    font:600 16px/18px 'Open Sans',sans-serif;

}

\*,:after,:before{box-sizing:border-box}

.clearfix:after,.clearfix:before{content:'';display:table}

.clearfix:after{clear:both;display:block}

a{color:inherit;text-decoration:none}

.login-wrap{

    width:100%;

    margin:auto;

    max-width:525px;

    min-height:670px;

    position:relative;

    background:url(https://wallpaperaccess.com/full/38119.jpg) no-repeat center;

    /\* box-shadow:0 12px 15px 0 rgba(0,0,0,.24),0 17px 50px 0 rgba(0,0,0,.19); \*/

}

.login-html{

    width:100%;

    height:100%;

    position:absolute;

    padding:90px 70px 50px 70px;

    background:rgba(0, 0, 0, 0.9);

}

.login-html .sign-in-htm,

.login-html .sign-up-htm{

    top:0;

    left:0;

    right:0;

    bottom:0;

    position:absolute;

    transform:rotateY(180deg);

    backface-visibility:hidden;

    transition:all .4s linear;

}

.login-html .sign-in,

.login-html .sign-up,

.login-form .group .check{

    display:none;

}

.login-html .tab,

.login-form .group .label,

.login-form .group .button{

    text-transform:uppercase;

}

.login-html .tab{

    font-size:22px;

    margin-right:15px;

    padding-bottom:5px;

    margin:0 15px 10px 0;

    display:inline-block;

    border-bottom:2px solid transparent;

}

.login-html .sign-in:checked + .tab,

.login-html .sign-up:checked + .tab{

    color:#fff;

    border-color:#1161ee;

}

.login-form{

    min-height:345px;

    position:relative;

    perspective:1000px;

    transform-style:preserve-3d;

}

.login-form .group{

    margin-bottom:15px;

}

.login-form .group .label,

.login-form .group .input,

.login-form .group .button{

    width:100%;

    color:#fff;

    display:block;

}

.login-form .group .input,

.login-form .group .button{

    border:none;

    padding:15px 20px;

    border-radius:25px;

    background:rgba(255,255,255,.1);

}

.login-form .group input[data-type="password"]{

    text-security:circle;

    -webkit-text-security:circle;

}

.login-form .group .label{

    color:#aaa;

    font-size:12px;

}

.login-form .group .button{

    background:#1161ee;

}

.login-form .group label .icon{

    width:15px;

    height:15px;

    border-radius:2px;

    position:relative;

    display:inline-block;

    background:rgba(255,255,255,.1);

}

.login-form .group label .icon:before,

.login-form .group label .icon:after{

    content:'';

    width:10px;

    height:2px;

    background:#fff;

    position:absolute;

    transition:all .2s ease-in-out 0s;

}

.login-form .group label .icon:before{

    left:3px;

    width:5px;

    bottom:6px;

    transform:scale(0) rotate(0);

}

.login-form .group label .icon:after{

    top:6px;

    right:0;

    transform:scale(0) rotate(0);

}

.login-form .group .check:checked + label{

    color:#fff;

}

.login-form .group .check:checked + label .icon{

    background:#1161ee;

}

.login-form .group .check:checked + label .icon:before{

    transform:scale(1) rotate(45deg);

}

.login-form .group .check:checked + label .icon:after{

    transform:scale(1) rotate(-45deg);

}

.login-html .sign-in:checked + .tab + .sign-up + .tab + .login-form .sign-in-htm{

    transform:rotate(0);

}

.login-html .sign-up:checked + .tab + .login-form .sign-up-htm{

    transform:rotate(0);

}

.hr{

    height:2px;

    margin:60px 0 50px 0;

    background:rgba(255,255,255,.2);

}

.foot-lnk{

    text-align:center;

}

**Output:**

**Index page:**

