**Assignment -1**

Python Programming

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| Assignment Date | 26 October 2022 |
| Student Name | PRAVEEN V |
| Student Roll Number | 713319CS109 |
| 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)

So both Questions have same Answers

**Source Code:**

**Connect.py**

dsn\_hostname = "8e359033-a1c9-4643-82ef-8ac06f5107eb.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"

dsn\_uid = "mvg77822"

dsn\_pwd = "XOk7hJ5iGB6Dzgtx"

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

dsn\_database = "BLUDB"

dsn\_port = "30120"

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 USERTBL values(?,?,?)"

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

username = request.form['username']

email = request.form['email']

password = request.form['password']

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

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

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

try:

ibm\_db.execute(stmt)

return redirect('/')

except:

print(ibm\_db.stmt\_errormsg())

return render\_template('index.html')

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

def loginpage():

if request.method == 'POST':

username = request.form['username']

password = request.form['password']

query = "select COUNT(\*) from usertbl where username='"+username+"' and password='"+password+"'"

stmt5 = ibm\_db.exec\_immediate(conn,query)

row = ibm\_db.fetch\_tuple(stmt5)

if(row[0] ==1 ):

return redirect("/shop/")

return render\_template("index.html")

**index.html**

<div class="wrapper">

<div class="title-text">

<div class="title login">

Login Form

</div>

<div class="title signup">

Signup Form

</div>

</div>

<div class="form-container">

<div class="slide-controls">

<input type="radio" name="slide" id="login" checked>

<input type="radio" name="slide" id="signup">

<label for="login" class="slide login">Login</label>

<label for="signup" class="slide signup">Signup</label>

<div class="slider-tab"></div>

</div>

<div class="form-inner">

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

<div class="field">

<input type="text" name= "username" placeholder="Username" required>

</div>

<div class="field">

<input type="password" name= "password" placeholder="Password" required>

</div>

<div class="pass-link">

<a href="#">Forgot password?</a>

</div>

<div class="field btn">

<div class="btn-layer"></div>

<input type="submit" value="Login">

</div>

<div class="signup-link">

Not a member? <a href="">Signup now</a>

</div>

</form>

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

<div class="field">

<input type="text" name="username" placeholder="Username" required>

</div>

<div class="field">

<input type="text" name="email" placeholder="Email" required>

</div>

<div class="field">

<input type="password" name="password" placeholder="Password" required>

</div>

<div class="field btn">

<div class="btn-layer"></div>

<input type="submit" value="Signup">

</div>

</form>

</div>

</div>

</div>

<script>

const loginText = document.querySelector(".title-text .login");

const loginForm = document.querySelector("form.login");

const loginBtn = document.querySelector("label.login");

const signupBtn = document.querySelector("label.signup");

const signupLink = document.querySelector("form .signup-link a");

signupBtn.onclick = (()=>{

loginForm.style.marginLeft = "-50%";

loginText.style.marginLeft = "-50%";

});

loginBtn.onclick = (()=>{

loginForm.style.marginLeft = "0%";

loginText.style.marginLeft = "0%";

});

signupLink.onclick = (()=>{

signupBtn.click();

return false;

});

</script>

**Style.css**

@import url('https://fonts.googleapis.com/css?family=Poppins:400,500,600,700&display=swap');

\*{

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: 'Poppins', sans-serif;

}

html,body{

display: grid;

height: 100%;

width: 100%;

place-items: center;

background: -webkit-linear-gradient(left, #a445b2, #fa4299);

}

::selection{

background: #fa4299;

color: #fff;

}

.wrapper{

overflow: hidden;

max-width: 390px;

background: #fff;

padding: 30px;

border-radius: 5px;

box-shadow: 0px 15px 20px rgba(0,0,0,0.1);

}

.wrapper .title-text{

display: flex;

width: 200%;

}

.wrapper .title{

width: 50%;

font-size: 35px;

font-weight: 600;

text-align: center;

transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);

}

.wrapper .slide-controls{

position: relative;

display: flex;

height: 50px;

width: 100%;

overflow: hidden;

margin: 30px 0 10px 0;

justify-content: space-between;

border: 1px solid lightgrey;

border-radius: 5px;

}

.slide-controls .slide{

height: 100%;

width: 100%;

color: #fff;

font-size: 18px;

font-weight: 500;

text-align: center;

line-height: 48px;

cursor: pointer;

z-index: 1;

transition: all 0.6s ease;

}

.slide-controls label.signup{

color: #000;

}

.slide-controls .slider-tab{

position: absolute;

height: 100%;

width: 50%;

left: 0;

z-index: 0;

border-radius: 5px;

background: -webkit-linear-gradient(left, #a445b2, #fa4299);

transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);

}

input[type="radio"]{

display: none;

}

#signup:checked ~ .slider-tab{

left: 50%;

}

#signup:checked ~ label.signup{

color: #fff;

cursor: default;

user-select: none;

}

#signup:checked ~ label.login{

color: #000;

}

#login:checked ~ label.signup{

color: #000;

}

#login:checked ~ label.login{

cursor: default;

user-select: none;

}

.wrapper .form-container{

width: 100%;

overflow: hidden;

}

.form-container .form-inner{

display: flex;

width: 200%;

}

.form-container .form-inner form{

width: 50%;

transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);

}

.form-inner form .field{

height: 50px;

width: 100%;

margin-top: 20px;

}

.form-inner form .field input{

height: 100%;

width: 100%;

outline: none;

padding-left: 15px;

border-radius: 5px;

border: 1px solid lightgrey;

border-bottom-width: 2px;

font-size: 17px;

transition: all 0.3s ease;

}

.form-inner form .field input:focus{

border-color: #fc83bb;

/\* box-shadow: inset 0 0 3px #fb6aae; \*/

}

.form-inner form .field input::placeholder{

color: #999;

transition: all 0.3s ease;

}

form .field input:focus::placeholder{

color: #b3b3b3;

}

.form-inner form .pass-link{

margin-top: 5px;

}

.form-inner form .signup-link{

text-align: center;

margin-top: 30px;

}

.form-inner form .pass-link a,

.form-inner form .signup-link a{

color: #fa4299;

text-decoration: none;

}

.form-inner form .pass-link a:hover,

.form-inner form .signup-link a:hover{

text-decoration: underline;

}

form .btn{

height: 50px;

width: 100%;

border-radius: 5px;

position: relative;

overflow: hidden;

}

form .btn .btn-layer{

height: 100%;

width: 300%;

position: absolute;

left: -100%;

background: -webkit-linear-gradient(right, #a445b2, #fa4299, #a445b2, #fa4299);

border-radius: 5px;

transition: all 0.4s ease;;

}

form .btn:hover .btn-layer{

left: 0;

}

form .btn input[type="submit"]{

height: 100%;

width: 100%;

z-index: 1;

position: relative;

background: none;

border: none;

color: #fff;

padding-left: 0;

border-radius: 5px;

font-size: 20px;

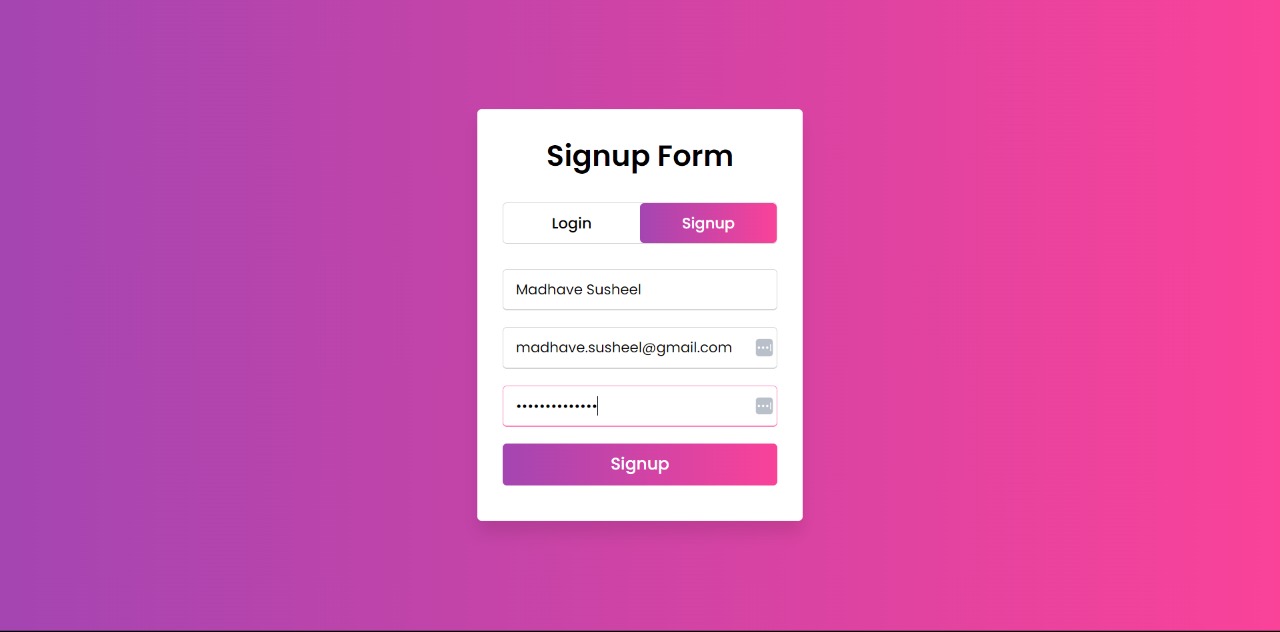
font-weight: 500;

cursor: pointer;

}

**Output:**

**Index page:**



**Login page:**

