

Assignment -1
Python Programming

Assignment Date	26 October 2022
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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 = "4Lio0qzrIBnfCt6c"
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:

The image shows a user registration form on a dark background. At the top, there are two links: "SIGN IN" and "SIGN UP", with "SIGN UP" being underlined. Below these are four input fields, each with a label above it: "USERNAME" (containing "Mridhul"), "EMAIL" (containing "mridhulvinu123@gmail.com"), "PASSWORD" (containing "*****"), and "CONTACT NUMNER" (containing "6380951390"). Below the input fields is a prominent blue button labeled "SIGN UP". At the bottom of the form, there is a horizontal line followed by the text "Already Member?".