

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)

So both Questions have same Answers

Source Code:

App.py

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db

app = Flask(__name__)

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.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')

@app.route("/login", methods=('GET', 'POST'))
def login():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        query = "select COUNT(*) from user 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")

@app.route("/shop/" , methods=['GET', 'POST'])
def shop():
    sql = "SELECT * FROM job"
    job_name = []
    job_location = []
    job_role = []
    job_number = []
    job_salary = []
    job_image = []
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_assoc(stmt)

```

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Sign Up | By Code Info</title>
    <link rel="stylesheet" href="log.css" />
    <link
      href="https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=s
wap"
      rel="stylesheet"
    />
  </head>
  <body>
    <div class="signup-box">
      <h1>Sign Up</h1>
      <form>
        <label>First Name</label>
        <input type="text" placeholder="" />
        <label>Last Name</label>
        <input type="text" placeholder="" />
        <label>Email</label>
        <input type="email" placeholder="" />
        <label>Password</label>
        <input type="password" placeholder="" />
        <label>Confirm Password</label>
        <input type="password" placeholder="" />
        <input type="button" value="Submit" />
      </form>
      <p>
        By clicking the Sign Up button, you agree to our <br />
        <a href="#">Terms and Condition</a> and <a href="#">Policy Privacy</a>
      </p>
    </div>
    <p class="para-2">
      Already have an account? <a href="signin.html">Login here</a>
    </p>
  </body>
</html>
```

Style.css

```
body {
  background-color: #344a72;
  font-family: "Roboto", sans-serif;
}

.signup-box {
  width: 360px;
  height: 620px;
  margin: auto;
  background-color: white;
  border-radius: 3px;
}

.login-box {
  width: 360px;
  height: 280px;
  margin: auto;
  border-radius: 3px;
  background-color: white;
}

h1 {
  text-align: center;
  padding-top: 15px;
}

h4 {
  text-align: center;
}

form {
  width: 300px;
  margin-left: 20px;
}

form label {
  display: flex;
  margin-top: 20px;
  font-size: 18px;
}

form input {
  width: 100%;
  padding: 7px;
  border: none;
  border: 1px solid gray;
  border-radius: 6px;
  outline: none;
}

input[type="button"] {
```

```

width: 320px;
height: 35px;
margin-top: 20px;
border: none;
background-color: #49c1a2;
color: white;
font-size: 18px;
}
p {
text-align: center;
padding-top: 20px;
font-size: 15px;
}
}
.para-2 {
text-align: center;
color: white;
font-size: 15px;
margin-top: -10px;
}
.para-2 a {
color: #49c1a2;
}
}

```

Output:

Index page:

Sign Up

First Name

Last Name

Email

Password

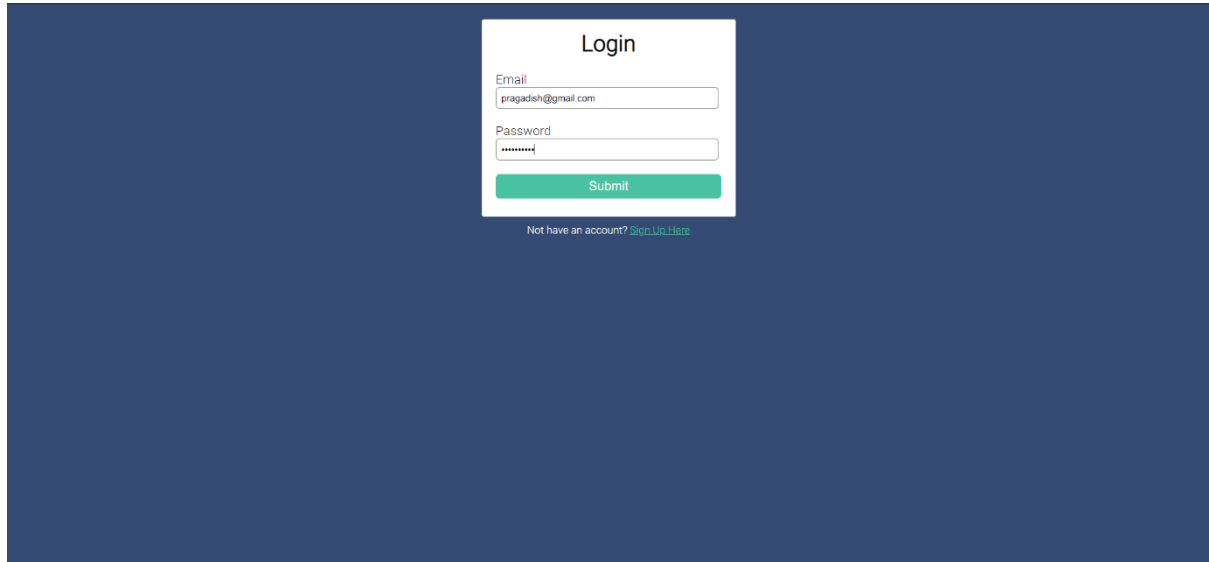
Confirm Password

Submit

By clicking the Sign Up button, you agree to our [Terms and Condition](#) and [Policy Privacy](#)

Already have an account? [Login here](#)

Login page:

A login page with a dark blue background. In the center is a white rectangular box containing the login form. The form has a title 'Login' at the top. Below it are two input fields: 'Email' with the value 'pragadesh@gmail.com' and 'Password' with masked characters '*****'. A green 'Submit' button is at the bottom of the form. Below the button, there is a link: 'Not have an account? [Sign Up Here](#)'.

Login

Email
pragadesh@gmail.com

Password

Submit

Not have an account? [Sign Up Here](#)