Assignment -1
Python Programming

Assignment Date	26 October 2022
Student Name	KIRTHIKA K
Student Roll Number	713319CS065
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

```python
@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

```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>
```

```html
                <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

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

```css
  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{
```

```css
  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;
```

```css
}
.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: