Assignment -1

Python Programming

Assignment Date	27 September 2022
Student Name	Julius G
Student Roll Number	95071912041
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
<html>
  <head>
    <script>
      function Validation() {
        var name = document.forms.RegForm.Name.value;
        var email = document.forms.RegForm.EMail.value;
        var phone =  document.forms.RegForm.Telephone.value;
```

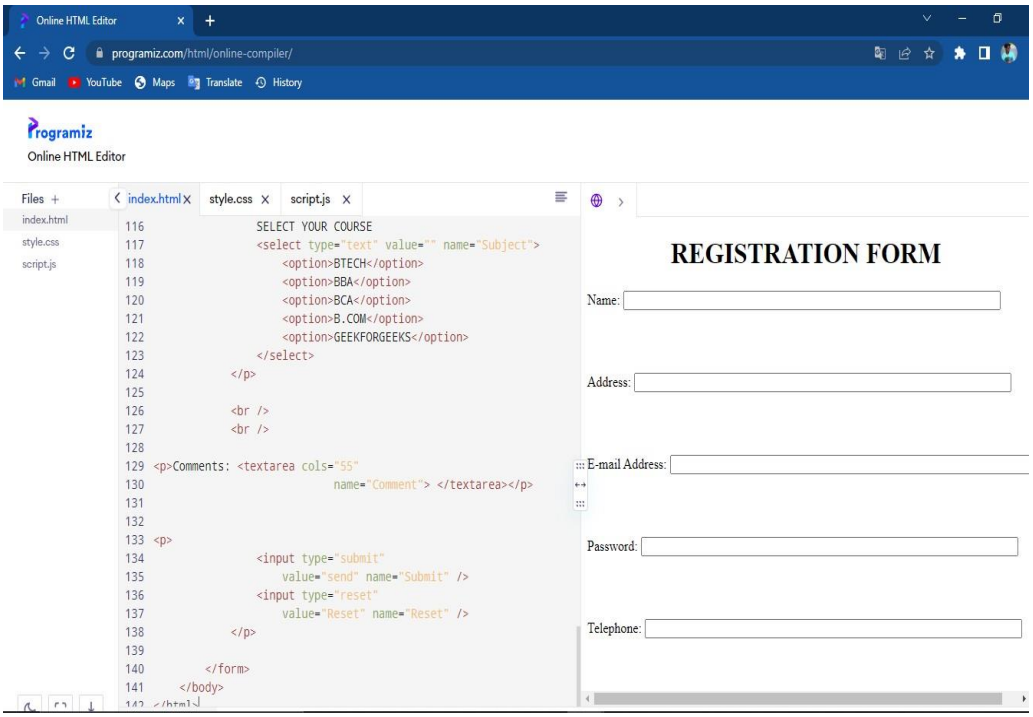
```
            var regEmail=/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/g;

            var regPhone=/^\d{10}$/;

            var regName = /\d+$/g;



if (name == "" || regName.test(name)) {

                window.alert("Please enter your name properly.");

                name.focus();

                return false;

            }

           if (email == "" || !regEmail.test(email)) {

                window.alert("Please enter a valid e-mail address.");

                email.focus();

                return false;

            }

            if (phone == "" || !regPhone.test(phone)) {
```

```
            alert("Please enter valid phone number.");
            phone.focus();
            return false;
        }

        if (what.selectedIndex == -1) {
            alert("Please enter your course.");
            what.focus();
            return false;
        }

        return true;
    }
</script>
<style>
```

```
        div {
            box-sizing: border-box;
            width: 100%;
            border: 100px solid black;
            float: left;
            align-content: center;
            align-items: center;
        }

        form {
            margin: 0 auto;
            width: 600px;
        }
    </style>
</head>
```

```
<body>

    <h1 style="text-align: center;">REGISTRATION FORM</h1>

    <form name="RegForm" onsubmit="return Validation()" method="post">



<p>Name: <input type="text"  size="65" name="Name" /></p>

 <br />

 <p>E-mail Address: <input type="text"size="65" name="EMail" /></p>

<br />

        <p>Telephone: <input type="text" size="65" name="Telephone" /></p> <br /> <p>

         SELECT YOUR COURSE

         <select type="text" value="" name="Subject">

            <option>BTECH</option>

            <option>BBA</option>
```

```
                <option>BCA</option>

                <option>B.COM</option>    </select>

        </p> <br />

        <br />

<p>Comments: <textarea cols="55"  name="Comment"> </textarea></p>

<p>

            <input type="submit" value="send" name="Submit" />

            <input type="reset"  value="Reset" name="Reset" />    </p>

</form>

  </body> </html>
```



Question-2:

Develop a flask program which should contain atleast 5 packages used from pypi.org.

Solution:

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

app = Flask(__name__)
```

```
app.scret_key = 'a'

conn =
ibm_db.conect("DATABASE=;HOSTNAME=;PORT=;SECURITY=SSL;SSL
ServerCertificate=;UID=;PhD=", ' ', ' ')



@app.route('/')

def home():

    return render_template('home.html')



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


def login():

    global userid

    msg = ' '


    if request.method == 'POST':

        username = request.form['username']

        password = request.form['password']

        return render_template('home.html')

        sql = "SELECT * FROM Users WHERE userame=? AND password=?"
```

```
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        if account:
            session['Loggeddin'] = True
            session['id'] = account['username']
            userid = account['USERNAME']
            session['username'] = acccount['USERNAME']
        else:
            msg = 'Incorrect username/password'
            return render_template('login.html', msg=msg)


@app.route('/register', methods=['GET', 'POST'])
def register():
    if request.method == 'POST':
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
```

```
    sql = "SELECT * FROM users WHERE username =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt, 1, username)
    ibm_db.execute(stmt)
    account = ibm.db.fetch_assoc(stmt)
    print(account)
    if account:
        msg = "Accont already exists!"
    elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
        msg = "format does not match"
    elif not re.match(r'[A-Za-z0-9+', username):
        msg = "name must contain characters and numbers"
    else:
        insert_sql = "ISERT INTO users VALUES(?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn.insert_sql)
        ibm_db.bind_param(prep_stmt, 1, username)
        ibm_db.bnd_param(prep_stmt, 2, email)
        ibm_db.bind_param(prep_stmt, 3, password)
        ibm_db.execute(prep_stmt)
        msg = "You have successfully registered"
elif (request.method == "POST"):
    msg == "Please  fill out the form"
```

```
        return render_template('register.html', msg=msg)



@app.route('/dashboard')
def dash():
    return render_template('dashboard.html')



@app.route('/apply', methods=['GET","POST'])
def app():
    msg = ' '
    if request.method == "POST":
        username = request.form['username']
        email = request.form['email']
        qualification = request.form['qualification']
        skills = request.form['skills']
        jobs = request.form['s']
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
```

```
    if account():
        msg = "there is only 1 job position"
        return render_template('apply.html', msg=msg)

    insert_sql = "INSERT INTO job VALUES(?, ?, ?, ?, ?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prep_stmt, 1, username)
    ibm_db.bind_param(prep_stmt, 2, email)
    ibm_db.bind_param(prep_stmt, 3, qualification)
    ibm_db.bind_param(prep_stmt, 4, skills)
    ibm_db.bind_param(prep_stmt, 5, jobs)
    ibm_db.execute(prep_stmt)
    msg = "You have successfully applie for job"
    session['Loggedin'] = True
    TEXT = "Hello user,a new application for job position" + job + isrequested
"

    elif request.method == "POST"
    msg = "Please fill out the form"
    return render_template('register.html', msg=msg)
```

```
@app.route('/display')
def display():
    print
    session["username"], session['id']
    cursor = mysql.connection.cursor()
    cursor.execute('SELECT*FROM job WHERE userid=%s', (sessio['id'],))
    account = cursor.fetchone()
    print("accountdisplay", account)
```