# Assignment -1

Python Programming

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| Assignment Date | 27 September 2022 |
| Student Name | S.Narmatha |
| Student Roll Number | 421319104020 |
| 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>

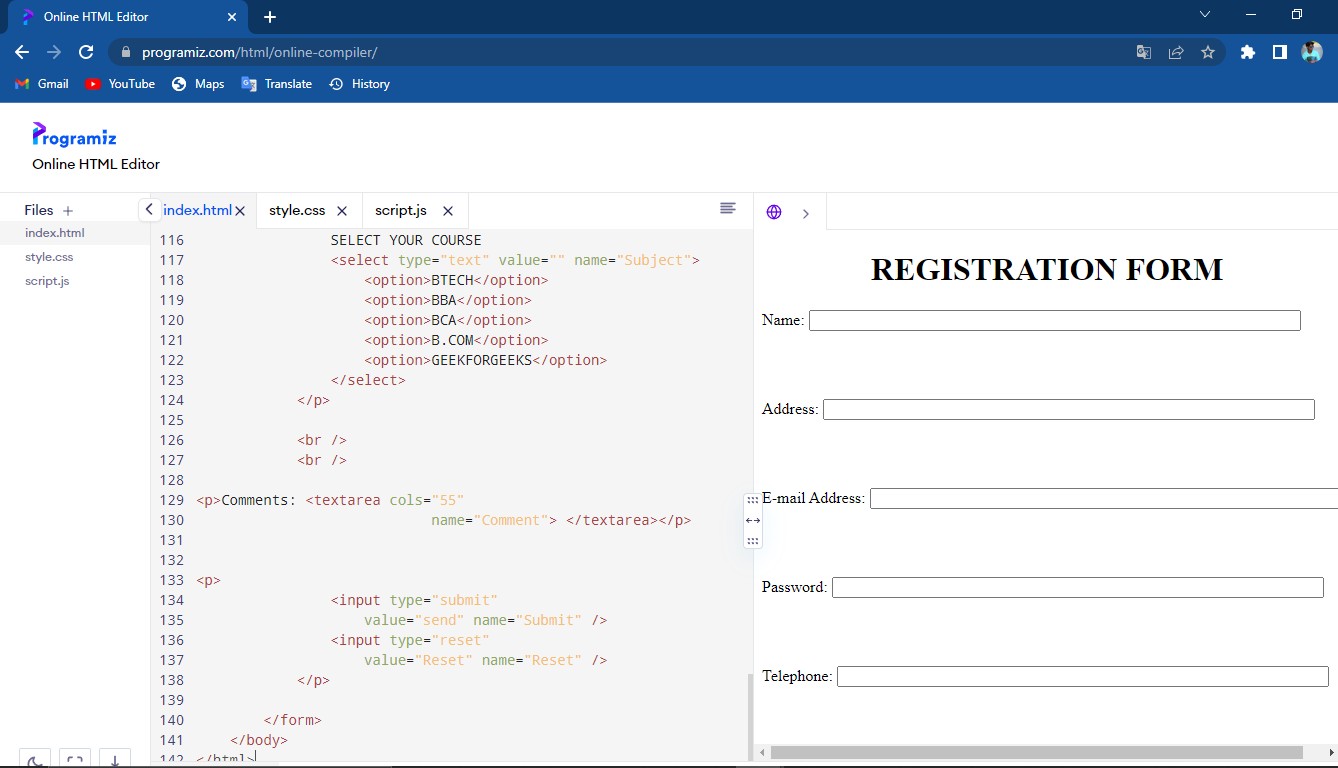
<p>

<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)