Create IBM DB2 and connect with python

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→ **app.py**

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

import ibm_db

import re


app = Flask(__name__)

app.secret_key ='a'

conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-86b520b875
18.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;
SSLServerCertificate=Certificate.crt;UID=jqy91109;PWD=jKfOzK88qIqZnQQK",''
,'')



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

def register():

    msg = " "

    if request.method == 'POST':

        username = request.form['username']

        email_id = request.form['email_id']

        phone_no = request.form['phone_no']
```

```python
        password = request.form['password']

        query = "SELECT * FROM USER1 WHERE username=?;"

        stmt = ibm_db.prepare(conn, query)

        ibm_db.bind_param(stmt, 1, username)

        ibm_db.execute(stmt)

        account =ibm_db.fetch_assoc(stmt)

        if (account):


            msg = "Account already exists!"

            return render_template('register.html', msg=msg)
        # elif not re.match(r'[^@]+@[^@]+\.[^@]+', email_id):

        #     msg = "Invalid email addres"

        # elif not re.match(r'[A-Za-z0-9+', username):

        #     msg = "Name must contain only characters and numbers"

        else:

            insert_sql= "INSERT INTO USER1 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_id)

            ibm_db.bind_param(prep_stmt, 3, phone_no)

            ibm_db.bind_param(prep_stmt, 4, password)

            ibm_db.execute(prep_stmt)

            account = ibm_db.fetch_assoc(stmt)

            msg = 'You have successfully Logged In!!'

            return render_template('login.html', msg=msg)

    else:

        msg = 'PLEASE FILL OUT OF THE FORM'
```

```python
        return render_template('register.html', msg=msg)
if __name__ == "__main__":
    app.run(debug=True)

    app.run(host='0.0.0.0')
```

→ register.html

```html
<!DOCTYPE html>
<html>


<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>REGISTRATION PAGE</title>
</head>
<style>
    body {
        background-image: linear-gradient(92.7deg, rgb(59, 170, 201) 8.5%,
rgb(246, 244, 198) 90.2%);
        font-family: 'Times New Roman', Times, serif;
    }


    input:hover {
        border-color: rgb(25, 20, 20);
    }
```

```
    button:hover {

        background-color: dark blue;

        border-color: black;

    }



    h1 {

        font-family: 'Courier New', Courier, monospace;

        color: darkolivegreen;

    }



    #qwerty {

        margin-top: 15em;

    }
</style>



<body>
    <center id="qwerty">

        <H1>REGISTRATION FORM</H1>

        <!--  -->

        <form action="http://localhost:5000/register" method="POST">

            <table>

                <tr>

                    <td><label for="text">USERNAME</label></td>

                    <td> </td>

                    <td><input type="text" placeholder="Enter Username"
name="username" id="username"></td>

                </tr>
```

```html
            <tr></tr>

            <tr></tr>

            <tr>

                <td><label for="text">EMAIL ID</label></td>

                <td> </td>

                <td><input type="text" placeholder="Enter email id"
name="email_id" id="email_id"></td>

            </tr>

            <tr></tr>

            <tr></tr>

            <tr>

                <td><label for="text">PHONE NUMBER</label></td>

                <td> </td>

                <td><input type="text" placeholder="Enter phone
number" name="phone_no" id="phone_no"></td>

            </tr>

            <tr></tr>

            <tr></tr>

            <tr>

                <td><label for="text">PASSWORD</label></td>

                <td> </td>

                <td><input type="text" placeholder="Enter password"
name="password" id="password"></td>

            </tr>


            <tr></tr>

            <tr></tr>

        </table>
```
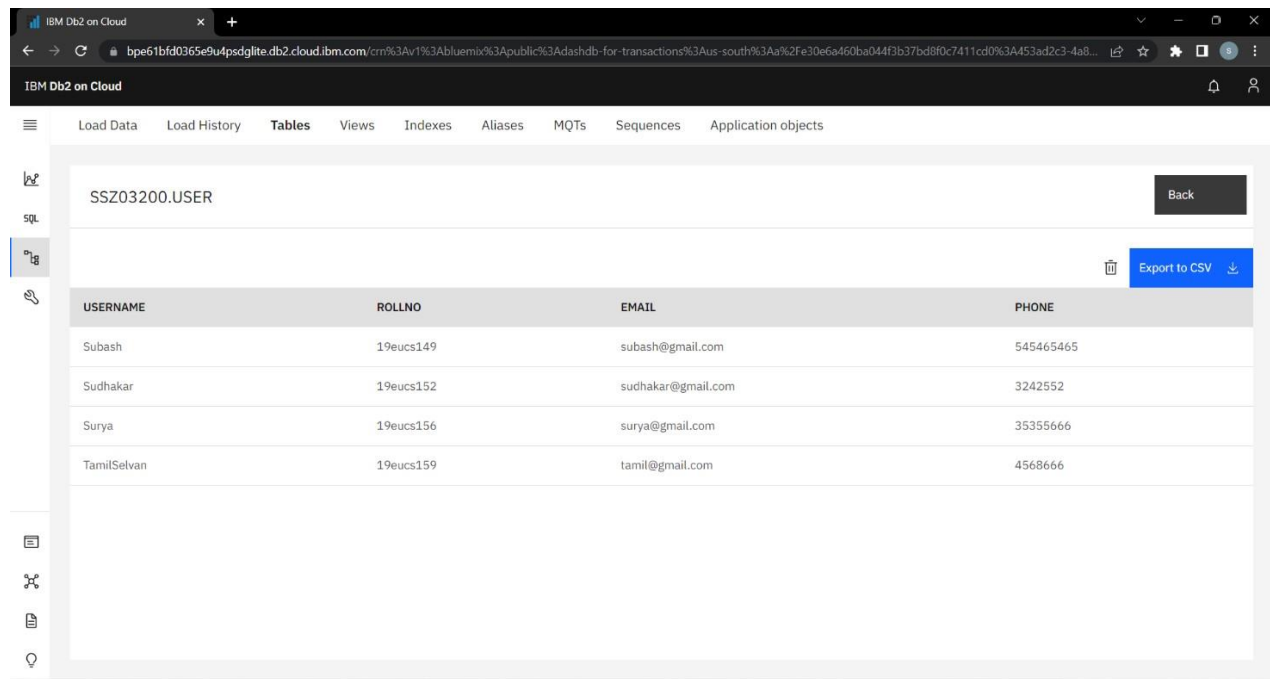
```html
            <br>

            <center><button onclick="asd()" type="submit">Submit</button>
            </center>

        </form>

    </center>

</body>

<script>

    function asd() {

        var username1 = document.getElementById("username");

        var email_id = document.getElementById('email_id');

        var phone_no = document.getElementById('phone_no');

        var password = document.getElementById('password');

        if (username1.value == "" || phone_no.value == "" ||
password.value == "") {

            username.style.borderColor = "red";

        }

        else if (email_id.value == "") {

            email_id.style.borderColor = "red";

        }

        else if (phone_no.value == "") {

            phone_no.style.borderColor = "red";

        }

        else if (phone_no.value == "") {

            password.style.borderColor = "red";

        }
```

```
    }




</script>




</html>
```

OUTPUT :