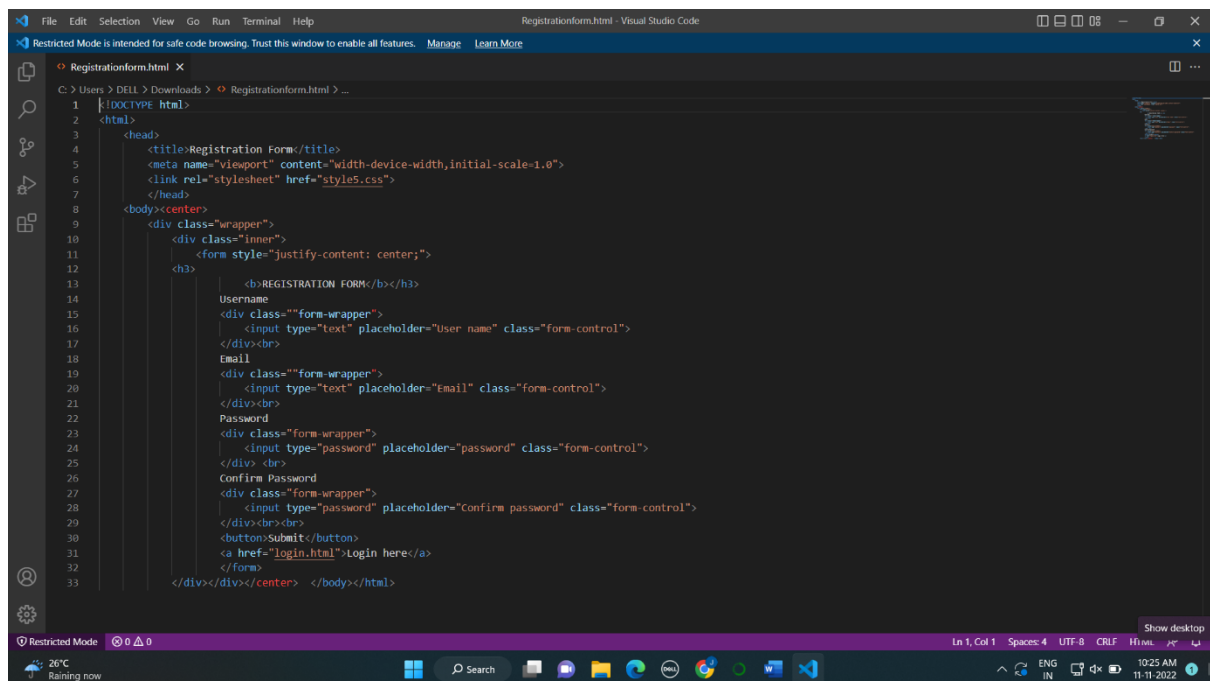


# CREATE IBM DB2 AND CONNECT WITH PYTHON

Task ID	TSK-262930
Team ID	PNT2022TMID44584
Student Name	Jeevitha K
Student Roll Number	731719205007

## RegistrationForm.html



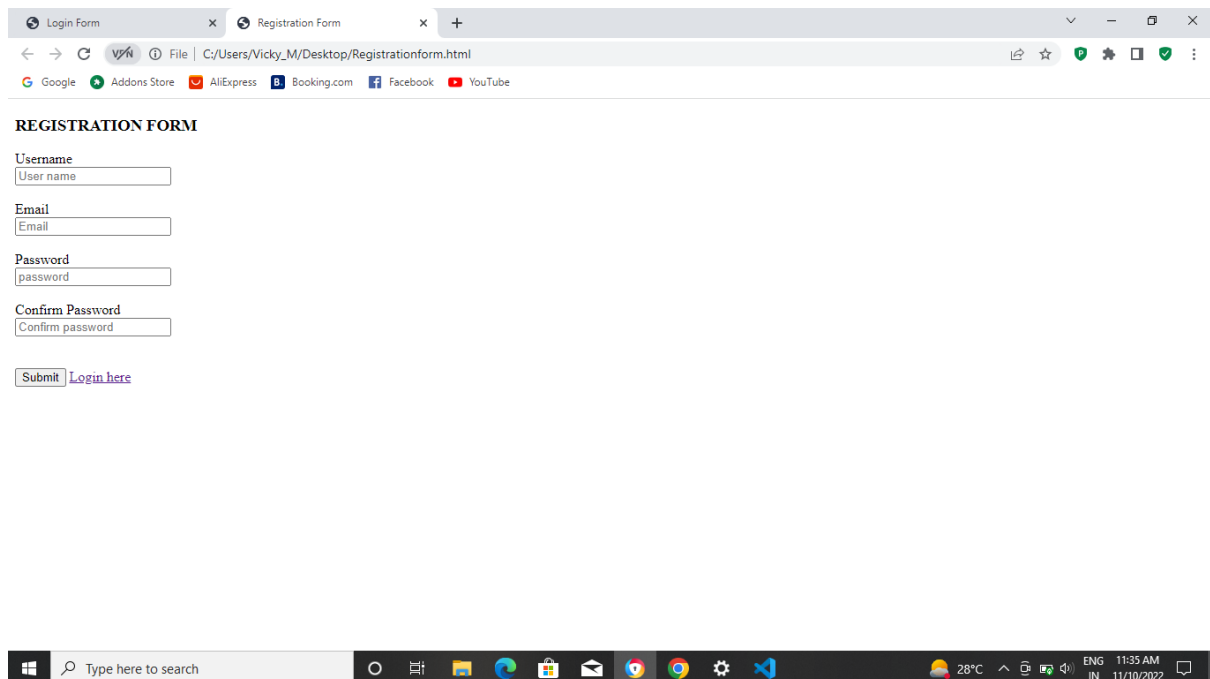
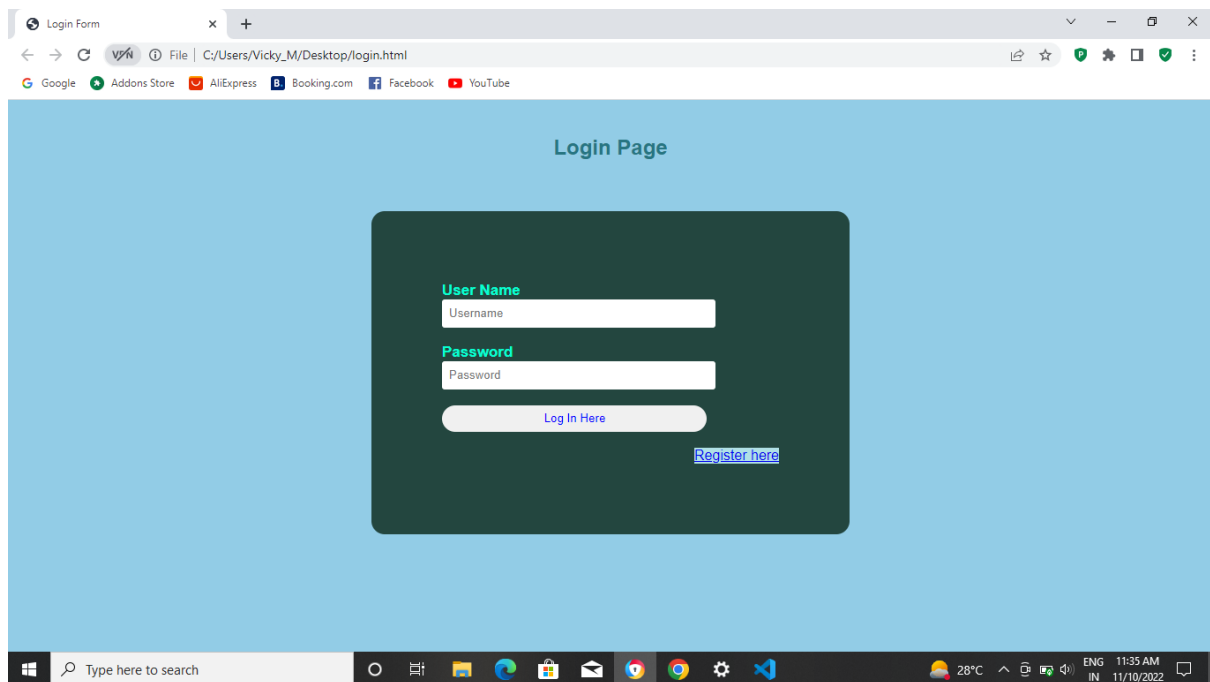
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Registration Form</title>
5     <meta name="viewport" content="width=device-width,initial-scale=1.0">
6     <link rel="stylesheet" href="style5.css">
7   </head>
8   <body><center>
9     <div class="wrapper">
10      <div class="inner">
11        <form style="justify-content: center;">
12          <h3>
13            <b>REGISTRATION FORM</b></h3>
14          Username
15          <div class="form-wrapper">
16            <input type="text" placeholder="User name" class="form-control">
17          </div><br>
18          Email
19          <div class="form-wrapper">
20            <input type="text" placeholder="email" class="form-control">
21          </div><br>
22          Password
23          <div class="form-wrapper">
24            <input type="password" placeholder="password" class="form-control">
25          </div> <br>
26          Confirm Password
27          <div class="form-wrapper">
28            <input type="password" placeholder="Confirm password" class="form-control">
29          </div><br><br>
30          <button>Submit</button>
31          <a href="login.html">Login here</a>
32        </form>
33      </div></div></center> </body></html>
```

# Login.py

```
File Edit Selection View Go Run Terminal Help login.py - Visual Studio Code
mail_api.py login.py 3 X
C:\Users\DELL\Downloads> login.py > register
1 from email.mime import image
2 from flask import Flask, render_template, request, redirect, url_for, session
3 import ibm_db
4 import re
5 app = Flask(__name__)
6
7 conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c10g3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;PROTOCOL=TCP;SECURITY=SSL;SS
8
9 @app.route('/')
10 @app.route('/login', methods=['GET', 'POST'])
11 def login():
12     msg = ''
13     if request.method == 'POST' and 'email' in request.form and 'password' in request.form:
14         username = request.form['email']
15         password = request.form['password']
16         stmt = ibm_db.exec_immediate(conn, 'SELECT * FROM JEEVITHA_DB WHERE email = %s AND password = %s', (email, password,))
17         account = ibm_db.fetch_both(stmt)
18         if username==password:
19             session['loggedin'] = True
20             session['id'] = account['id']
21             session['email'] = account['email']
22             msg = 'logged in successfully !'
23             return render_template("index.html", msg = msg)
24         else:
25             msg = 'Incorrect username / password !'
26             return render_template("login.html", msg = msg)
27
28 @app.route('/register', methods=['GET', 'POST'])
29 def register():
30     msg = ''
31     if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form and 'roll_no' in request.form :
32         roll no = request.form['roll no']
33         username = request.form['username']
34         password = request.form['password']
35         cpassword = request.form['cpassword']
36         email = request.form['email']
37         conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c10g3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;PROTOCOL=TCP;SECURIT
Ln 38, Col 66 Spaces: 4 UTF-8 CRLF Python 3.10.8 64-bit
31°C Cloudy Search 03:42 PM 10-11-2022
```

```
File Edit Selection View Go Run Terminal Help login.py - Visual Studio Code
mail_api.py login.py 2 X
C:\Users\DELL\Downloads> login.py > register
24         else:
25             msg = 'Incorrect username / password !'
26             return render_template("login.html", msg = msg)
27
28 @app.route('/register', methods=['GET', 'POST'])
29 def register():
30     msg = ''
31     if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form and 'roll_no' in request.form :
32         roll no = request.form['roll no']
33         username = request.form['username']
34         password = request.form['password']
35         cpassword = request.form['cpassword']
36         email = request.form['email']
37         conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c10g3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;PROTOCOL=TCP;SECURIT
38         stmt = ibm_db.exec_immediate(conn, 'SELECT * FROM JEEVITHA_DB')
39         if email==cpassword:
40             msg = 'Account already exists !'
41             elif not re.match(r'[@][a-z0-9]+.[a-z0-9]+', email):
42                 msg = 'Invalid email address !'
43             elif not re.match(r'[A-Za-z0-9]+', username):
44                 msg = 'Username must contain only characters and numbers !'
45             elif not username or not password or not email:
46                 msg = 'Please fill out the form !'
47             else:
48                 sql=ibm_db.exec_immediate(conn, 'INSERT INTO JEEVITHA_DB (roll_no, username, email, password, cpassword) VALUES (%s, %s, %s, %s, %s)')
49                 msg = 'You have successfully registered !'
50                 print("you have successfully registered!")
51                 return redirect(url_for('/login'))
52             elif request.method == 'POST':
53                 msg = 'Please fill out the form !'
54                 return render_template("signup.html", msg = msg)
55
56 if __name__ == '__main__':
57     app.run(debug=True)
Ln 38, Col 66 Spaces: 4 UTF-8 CRLF Python 3.10.8 64-bit
31°C Cloudy Search 03:42 PM 10-11-2022
```

# OUTPUT



Welcome to Project! Delight...IBM Db2 on CloudIBMService Details - IBM CloudIBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F5200566eb0ed475a831d9676...

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

SQL

KQS19682.JEEVITHA

Back

Export to CSV

USERNAME	ROLLNO	PASSWORD	EMAIL	confirm password
devi	2	1234	devi@gmail.com	1234
jeevi	7	1234	jeevi@gmail.com	1234
soni	3	1234	soni@gmail.com	1234
vicky	4	1234	vicky@gmail.com	1234

Type here to search

ENG11:3410-11-2022