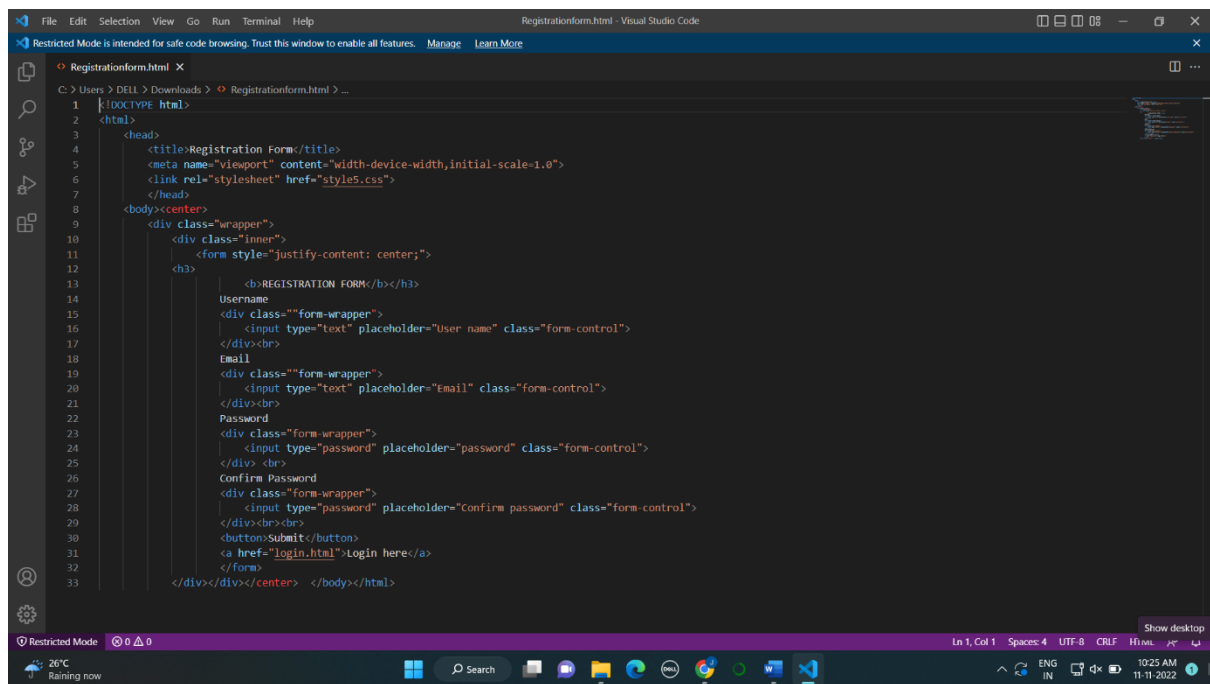


CREATE IBM DB2 AND CONNECT WITH PYTHON

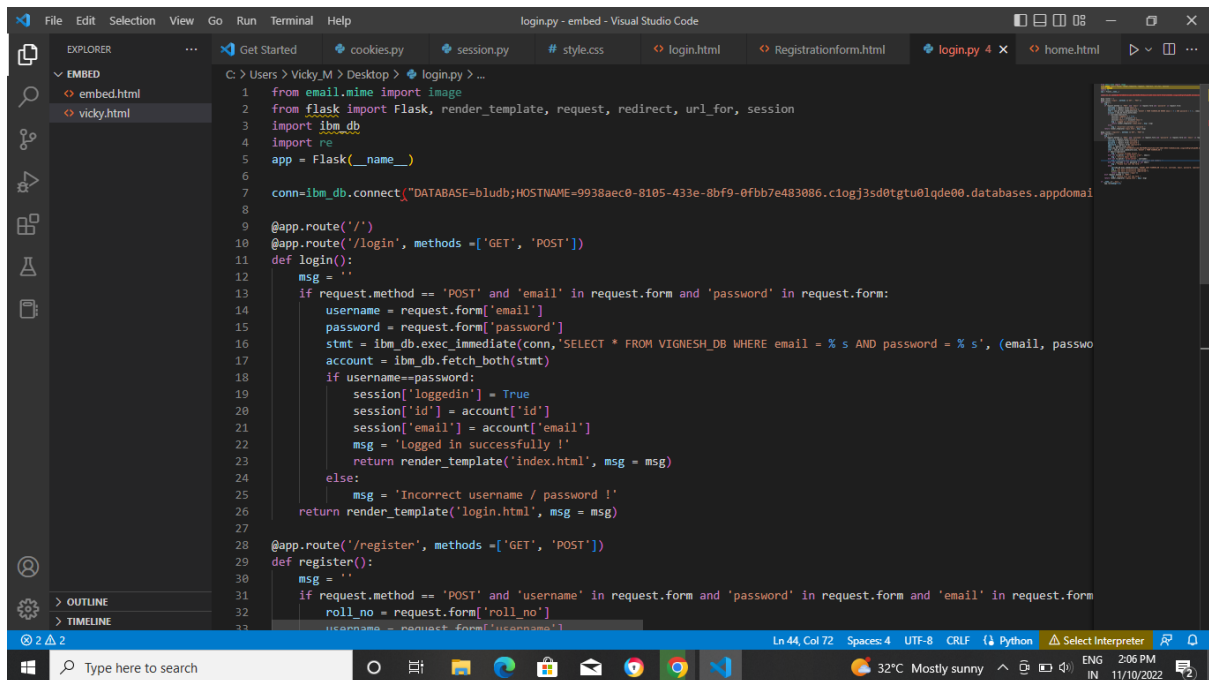
Task ID	TSK-262930
Team ID	PNT2022TMID44584
Student Name	Vignesh M
Student Roll Number	731719205023

RegistrationForm.html



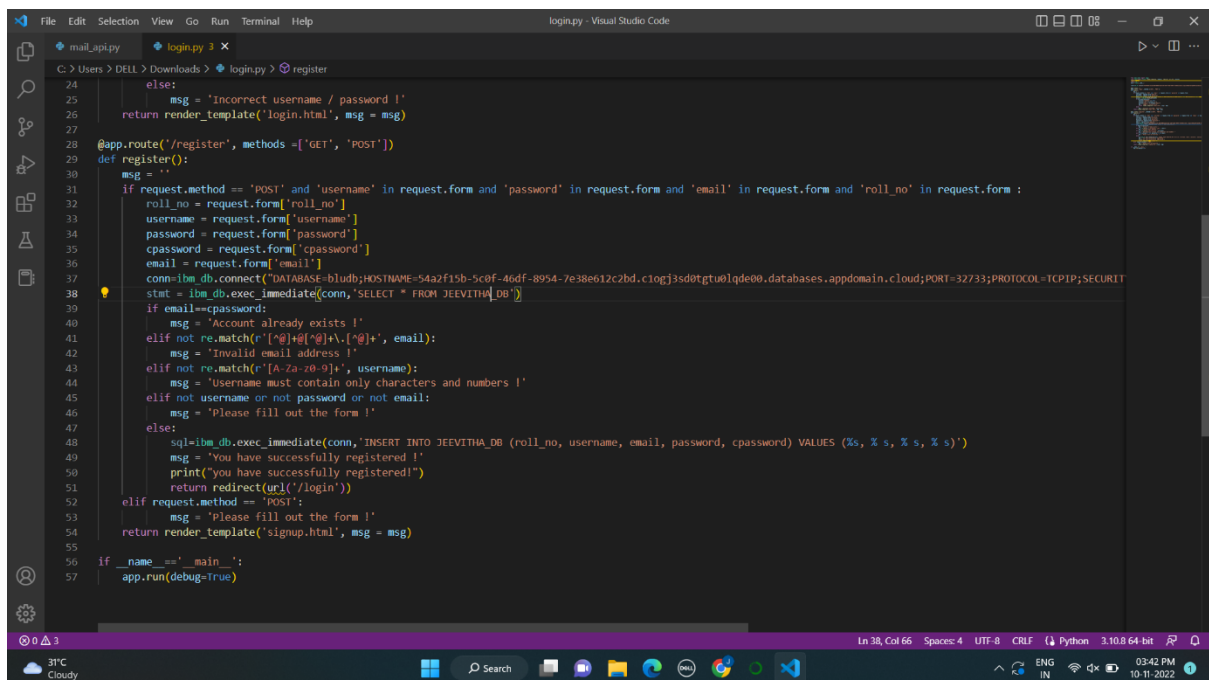
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Registration Form</title>
5     <meta name="viewport" content="width=device-width,initial-scale=1.0">
6     <link rel="stylesheet" href="style5.css">
7   </head>
8   <body><center>
9     <div class="wrapper">
10       <div class="inner">
11         <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



```
login.py - embed - Visual Studio Code

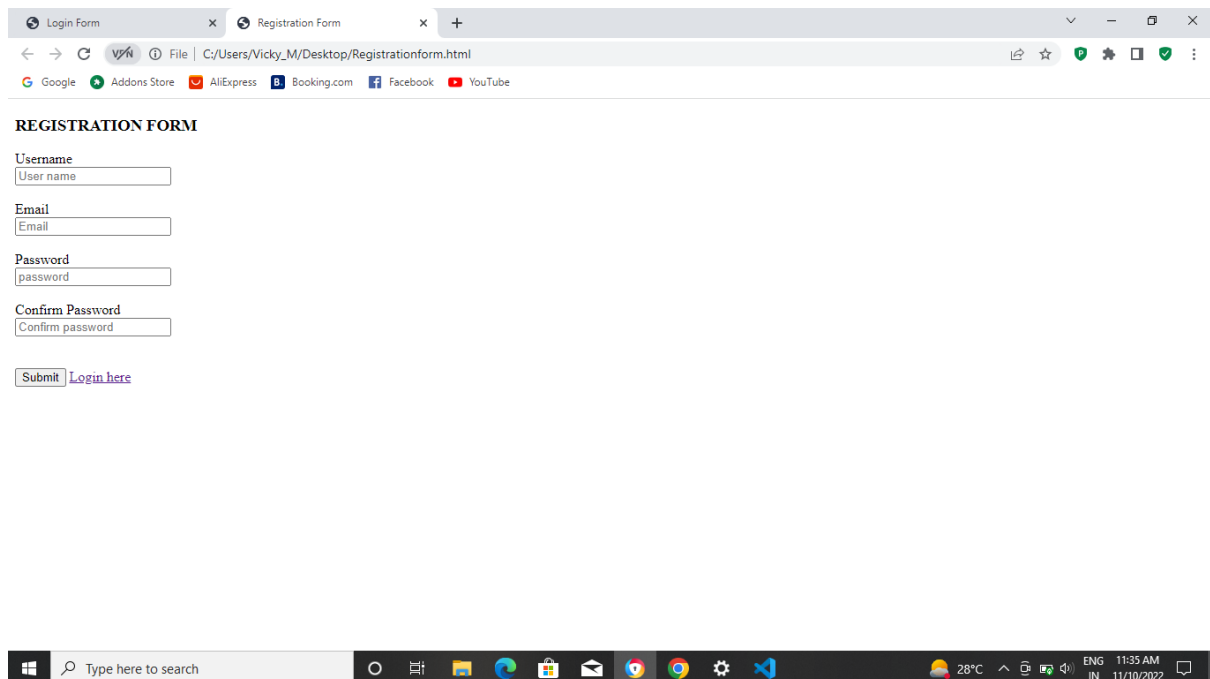
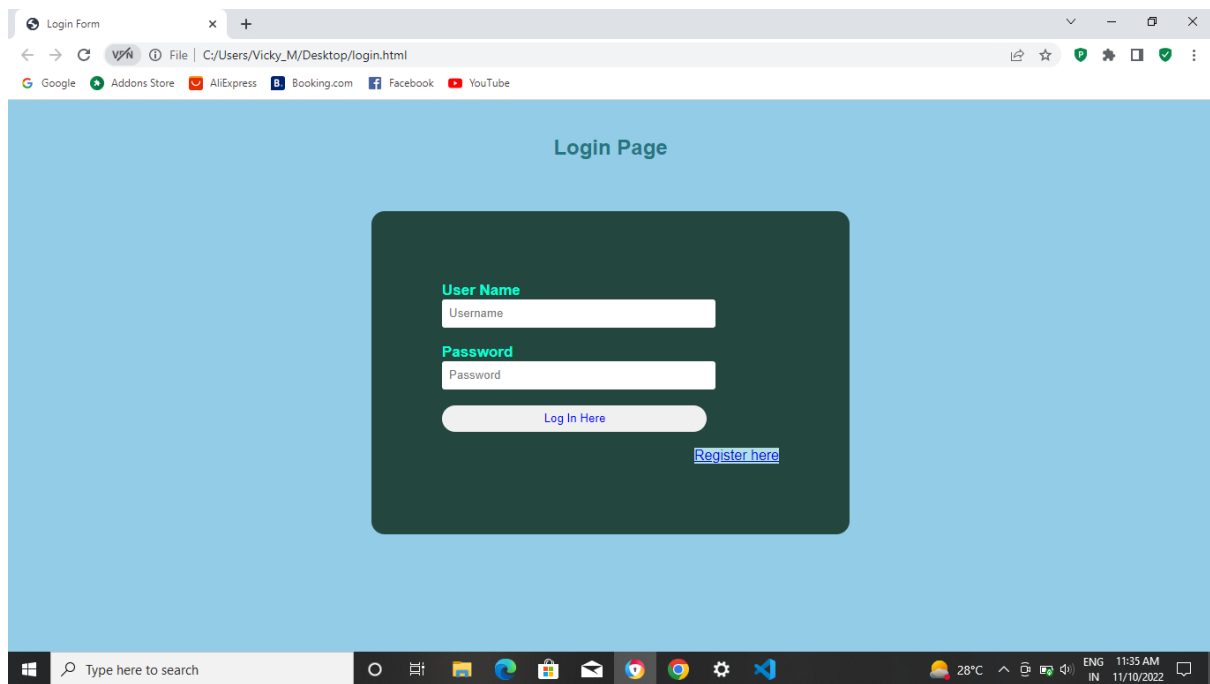
1 from email.mime import image
2 from flask import Flask, render_template, request, redirect, url_for, session
3 import ibm_db
4 import re
5 app = Flask(__name__)
6
7 conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7e483086.c10g3sd0gtu0lqde00.databases.appdomain
8
9 @app.route('/')
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 VIGNESH_DB WHERE email = % s AND password = % s', (email, passwo
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
32         roll_no = request.form['roll_no']
33         username = request.form['username']
```



```
login.py - Visual Studio Code

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.c10g3sd0gtu0lqde00.databases.appdomain.c1oud;PORT=32733;PROTOCOL=TCPIP;SECURE
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'[@+#[^@]+.[^@]+', 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)
```

OUTPUT



Service Details - IBM Cloud

IBM Db2 on Cloud

New Tab

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F32b8975ff44ec897e101c96b81ac...

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

PJW44280.VIGNESH

Back

Export to CSV

User Name	Roll Number	EMAIL	PASSWORD	C password
devi	3	devi@gmail.com	67890	67890
jeevitha	7	jeevi@gmail.com	9876	9876
solaimathi	19	solai@gmail.com	54321	54321
vignesh	23	vignesh@gmail.com	12345	12345

Type here to search

28°C Haze

ENG 10:29 AM

IN 11/10/2022