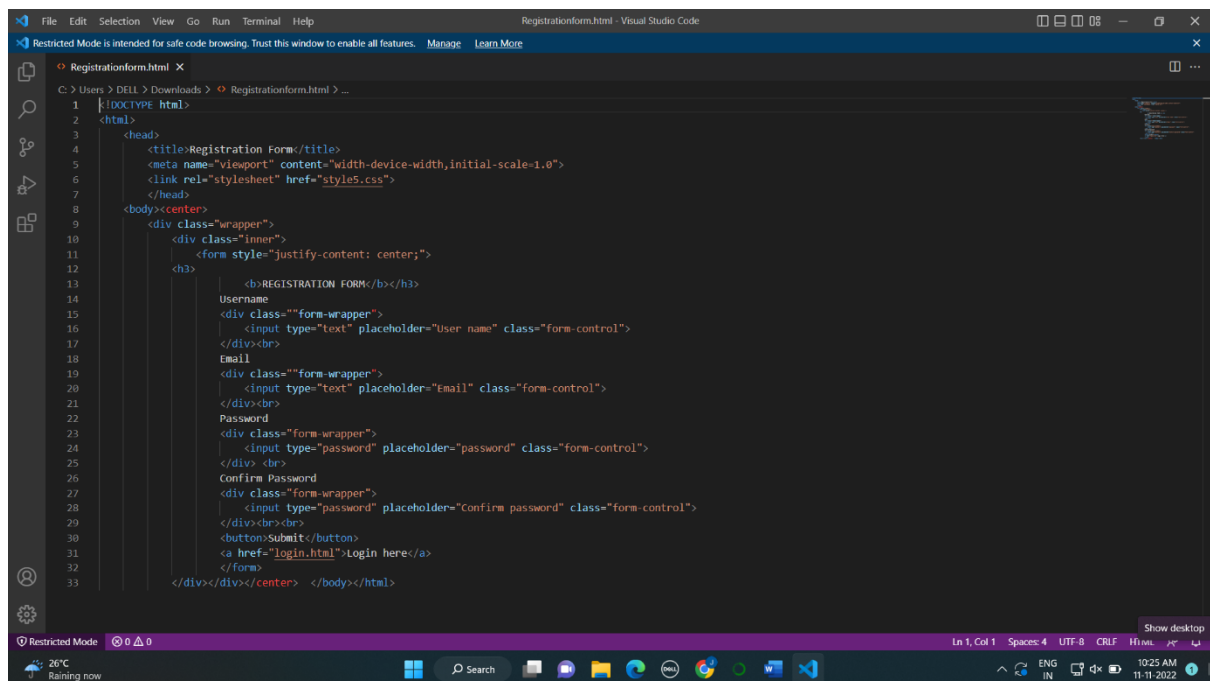


CREATE IBM DB2 AND CONNECT WITH PYTHON

Task ID	TSK-262930
Team ID	PNT2022TMID44584
Student Name	Devi T
Student Roll Number	731719205003

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

The image shows a Windows 10 desktop environment. The primary focus is the Visual Studio Code (VS Code) editor, which is open to a Python file named 'login.py'. The Explorer sidebar on the left indicates the current project structure, showing a folder named 'EMBED' containing 'embed.html' and 'vicky.html'. The main editor area displays the following Python code:

```
C:\Users\Vicky_M\Desktop> login.py > ...
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=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomainlocal.com;UID=ibmuser;PWD=ibm123456789")
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 DEVI_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:
32         roll_no = request.form['roll_no']
33         username = request.form['username']
```

The status bar at the bottom of the VS Code window displays 'Ln 48, Col 61', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', and 'Select Interpreter'. The Windows taskbar at the bottom of the screen shows the search bar and several open applications, including the VS Code editor, a file explorer, and a web browser.

The image shows a Visual Studio Code editor window with a Python file named `login.py`. The code is a Flask application for user registration. It includes a route for `/register` that handles GET and POST requests. The `register` function validates the input (username, password, email) and inserts the user data into a database. The application is run in debug mode.

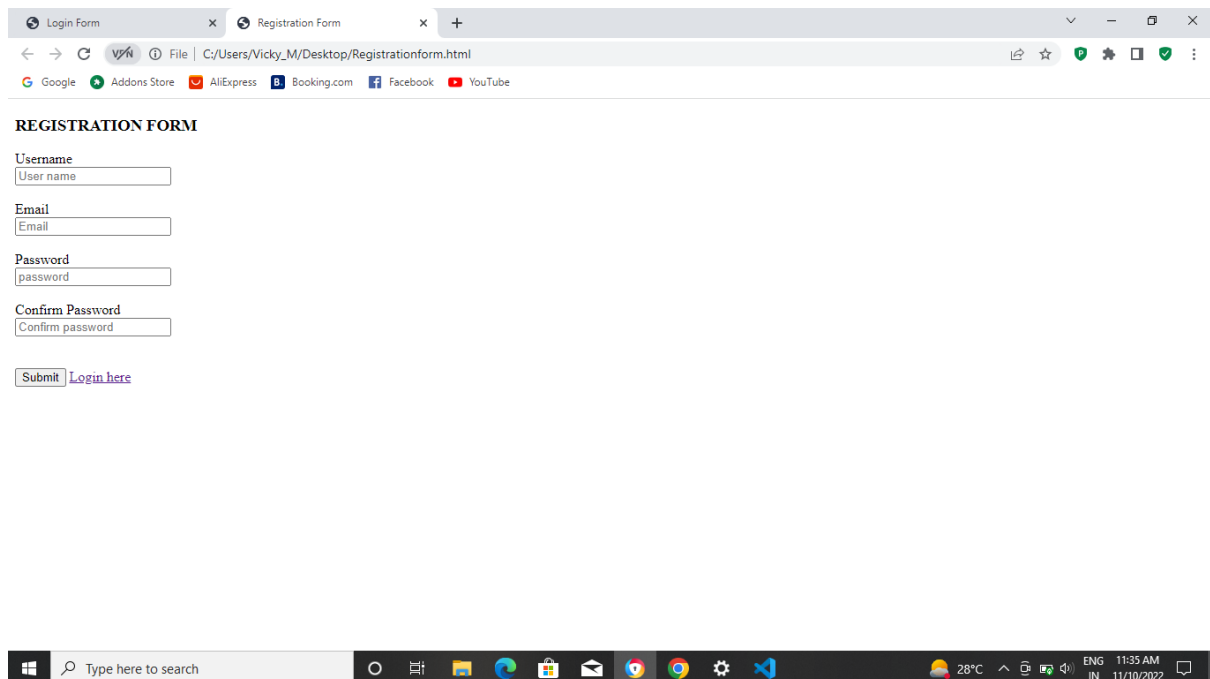
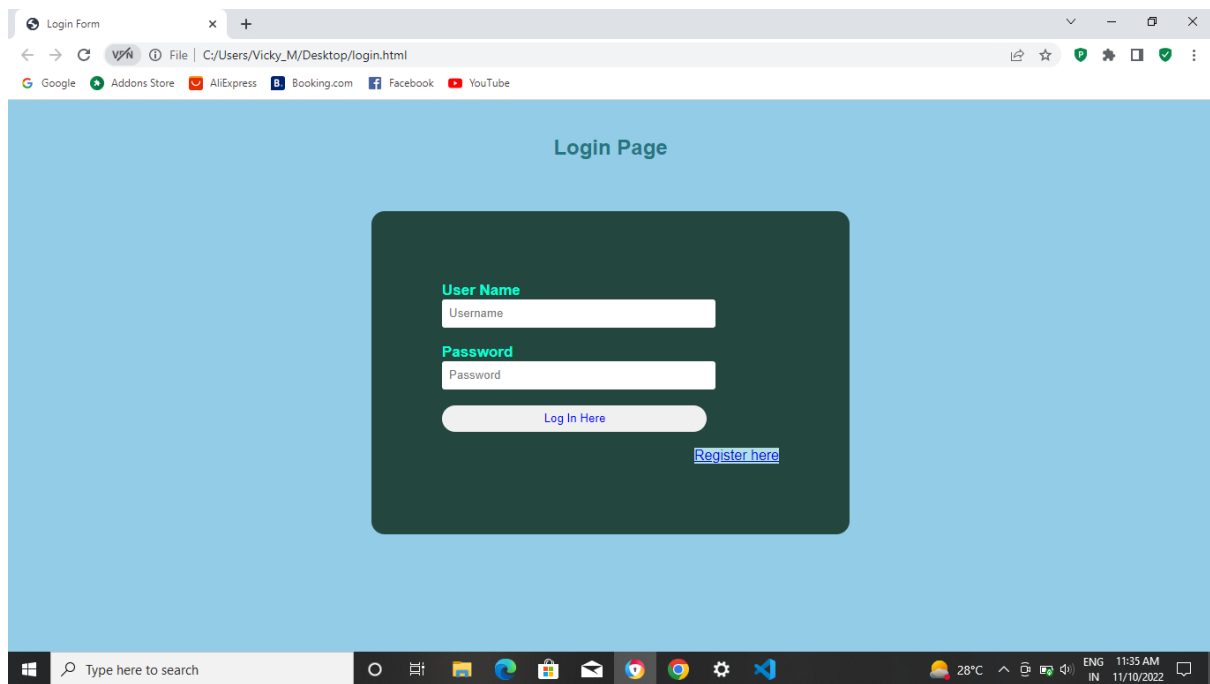
```
File Edit Selection View Go Run Terminal Help
login.py - Visual Studio Code

mail_app.py login.py 3 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 :
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=bludy;HOSTNAME=542f15b-5c0f-46df-8954-7e38e612c2bd.c10g3sd0gtu0lqde0.databases.appdomain.cloud;PORT=32733;PROTOCOL=TCPIP;SECURITY=SSL;SSL_VERIFY_SERVER_CERT=0;', 'root', 'root')
38         if email==cpassword:
39             msg = 'Account already exists !'
40         elif not re.match(r'[\w]+@[w]+.[\w]+', email):
41             msg = 'Invalid email address !'
42         elif not re.match(r'[A-Za-z0-9]+', username):
43             msg = 'Username must contain only characters and numbers !'
44         elif not username or not password or not email:
45             msg = 'Please fill out the form !'
46         else:
47             sql=ibm_db.exec_immediate(conn,'INSERT INTO JEEVITHA_DB (roll_no, username, email, password, cpassword) VALUES (%s, %s, %s, %s, %s)')
48             msg = 'You have successfully registered !'
49             print("You have successfully registered!")
50             return redirect(url('/login'))
51         return render_template('login.html', msg = msg)
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 10:11:2022

OUTPUT



Service Details - IBM Cloud

IBM Db2 on Cloud

IBM Db2 on Cloud

Welcome to Project! Delight

IBM

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fd4a84988c3b24bdd9eb2fd2315a6...

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

SQL

Export to CSV

User Name	Roll Number	E-mail	PASSWORD	Confirm Password
devi	3	devi@gmail.com	12345	12345
jeevitha	19	jeevi@gmail.com	96753	96753
solaimathi	19	solai@gmail.com	98745	98745
vignesh	19	vignesh@gmail.com	98543	98543

Type here to search

32°C Mostly sunny

ENG IN

1:54 PM

11/10/2022