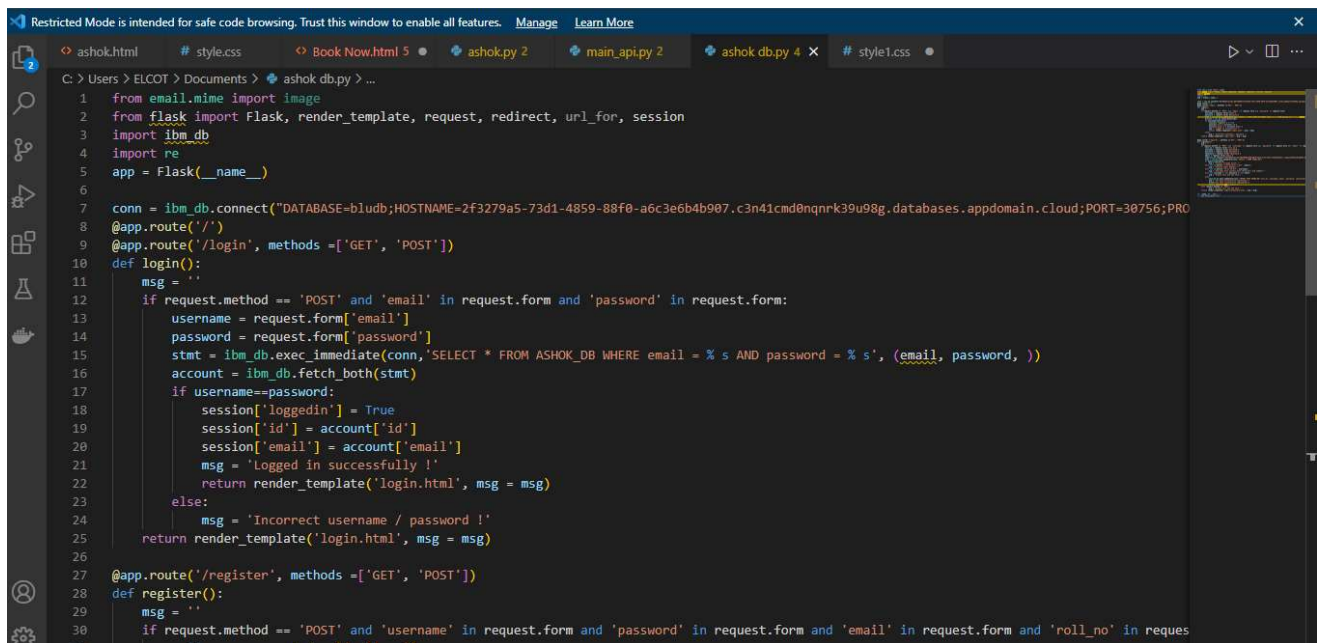


IBM DB2 with PYTHON

Task ID	TSK-275365
Team ID	PNT2022TMID44544
Student Name	Kavitha.P
Student Roll Number	731719104003

TASK:

Create IBM DB2 and Connect with Python



```
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
ashok.html # style.css Book Now.html 5 ashok.py 2 main_api.py 2 ashok db.py 4 # style1.css
C:\Users\ELCOT\Documents> ashok db.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=2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnk39u98g.databases.appdomain.cloud;PORT=30756;PRO
8 @app.route('/')
9 @app.route('/login', methods=['GET', 'POST'])
10 def login():
11     msg = ''
12     if request.method == 'POST' and 'email' in request.form and 'password' in request.form:
13         username = request.form['email']
14         password = request.form['password']
15         stmt = ibm_db.exec_immediate(conn, 'SELECT * FROM ASHOK_DB WHERE email = %s AND password = %s', (email, password, ))
16         account = ibm_db.fetch_both(stmt)
17         if username==password:
18             session['loggedin'] = True
19             session['id'] = account['id']
20             session['email'] = account['email']
21             msg = 'Logged in successfully !'
22             return render_template('login.html', msg = msg)
23         else:
24             msg = 'Incorrect username / password !'
25         return render_template('login.html', msg = msg)
26
27 @app.route('/register', methods=['GET', 'POST'])
28 def register():
29     msg = ''
30     if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form and 'roll_no' in request
```

```
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
ashok.html # style.css Book Now.html 5 ashok.py 2 main_api.py 2 ashok db.py 4 # style1.css
C:\Users\ELCOT\Documents> ashok db.py > register
30 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:
31     roll_no = request.form['roll_no']
32     username = request.form['username']
33     password = request.form['password']
34     cpassword = request.form['cpassword']
35     email = request.form['email']
36     conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=6667d8e9-9d4d-4ccb-ba32-21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=3033")
37     stmt = ibm_db.exec_immediate(conn,'SELECT * FROM ASHOK_DB')
38     if email==cpassword:
39         msg = 'Account already exists !'
40     elif not re.match(r'[^@]+@[^@]+\.[^@]+', 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 ASHOK_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     elif request.method == 'POST':
52         msg = 'Please fill out the form !'
53     return render_template('registrationform.html', msg = msg)
54
55 if __name__ == '__main__':
56     app.run(debug=True)
```

cloud.ibm.com/services/dashdb-for-transactions/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fec4d270c6924ee18802fc14f7bd...

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Resource list /

Db2-sr Active Add tags

Details Actions...

Manage

Getting started

Service credentials

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

New credential +

<input type="checkbox"/>	Key name	Date created	
<input type="checkbox"/>	Ashok	2022-10-16 2:43 PM	