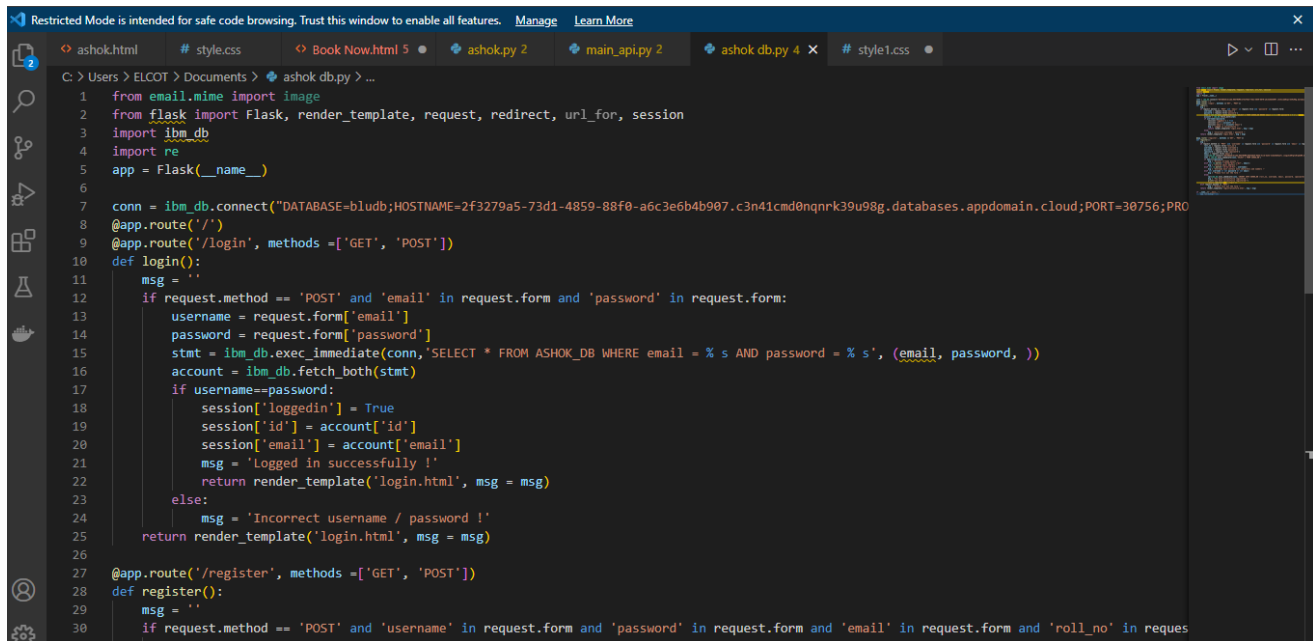


# IBM DB2 with PYTHON

|                     |                  |
|---------------------|------------------|
| Task ID             | TSK-275365       |
| Team ID             | PNT2022TMID44544 |
| Student Name        | Ashok.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.c1ogj3sd0tgu0lqde00.databases.appdomain.cloud;PORT=303
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)
```

Db2-sr ✔ Active [Add tags](#) 

Actions...

## Getting started

## Connections

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](#)

