IBM DB2 with PYTHON

Task ID	TSK-269540
Team ID	PNT2022TMID44550
Student Name	Jayaseelan T S
Student Roll Number	731719104010

TASK:

Create IBM DB2 and Connect with Python

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from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re
app = Flask( name )
conn=ibm_db.connect("DATABASE=bludb; HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=S
SL;SSLServercertificate=DigiCertGlobalRootCA(1).crt;PROTOCOL=TCPIP;UID=vcb77143;P
WD=h2Xoiw4L2GJz5tSU;", "", "")
@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
def login():
    msg = ''
    if request.method == 'POST' and 'email' in request.form and 'password' in
request.form:
        username = request.form['email']
        password = request.form['password']
        stmt = ibm_db.exec_immediate(conn, 'SELECT * FROM JAYASEELAN DB WHERE
email = % s AND password = % s', (email, password, ))
        account = ibm db.fetch both(stmt)
        if username==password:
            session['loggedin'] = True
            session['id'] = account['id']
            session['email'] = account['email']
            msg = 'Logged in successfully !'
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return render template('index.html', msg = msg)
        else:
            msg = 'Incorrect username / password !'
    return render template('login.html', msg = msg)
@app.route('/register', methods =['GET', 'POST'])
def register():
    msg = ''
    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 :
        roll no = request.form['roll no']
        username = request.form['username']
        password = request.form['password']
        cpassword = request.form['cpassword']
        email = request.form['email']
        conn=ibm db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=S
SL;SSLServercertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=vcb77143;PWD=
h2Xoiw4L2GJz5tSU;", "", "")
        stmt = ibm_db.exec_immediate(conn, 'SELECT * FROM JAYASEELAN_DB')
        if email==cpassword:
            msg = 'Account already exists !'
        elif not re.match(r'[^0]+@[^0]+\.[^0]+', email):
            msg = 'Invalid email address !'
        elif not re.match(r'[A-Za-z0-9]+', username):
            msg = 'Username must contain only characters and numbers !'
        elif not username or not password or not email:
            msg = 'Please fill out the form !'
        else:
            sql=ibm db.exec immediate(conn,'INSERT INTO JAYASEELAN DB (roll no,
username, email, password, cpassword) VALUES (%s, % s, % s, % s)')
            msg = 'You have successfully registered !'
            print("you have successfully registered!")
            return redirect(url('/login'))
    elif request.method == 'POST':
            msg = 'Please fill out the form !'
    return render_template('signup.html', msg = msg)
if __name__=='__main__':
   app.run(debug=True)
```

import ibm_db
ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=S
SL;SSLServercertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=vcb77143;PWD=
h2Xoiw4L2GJz5tSU;", "", "")

