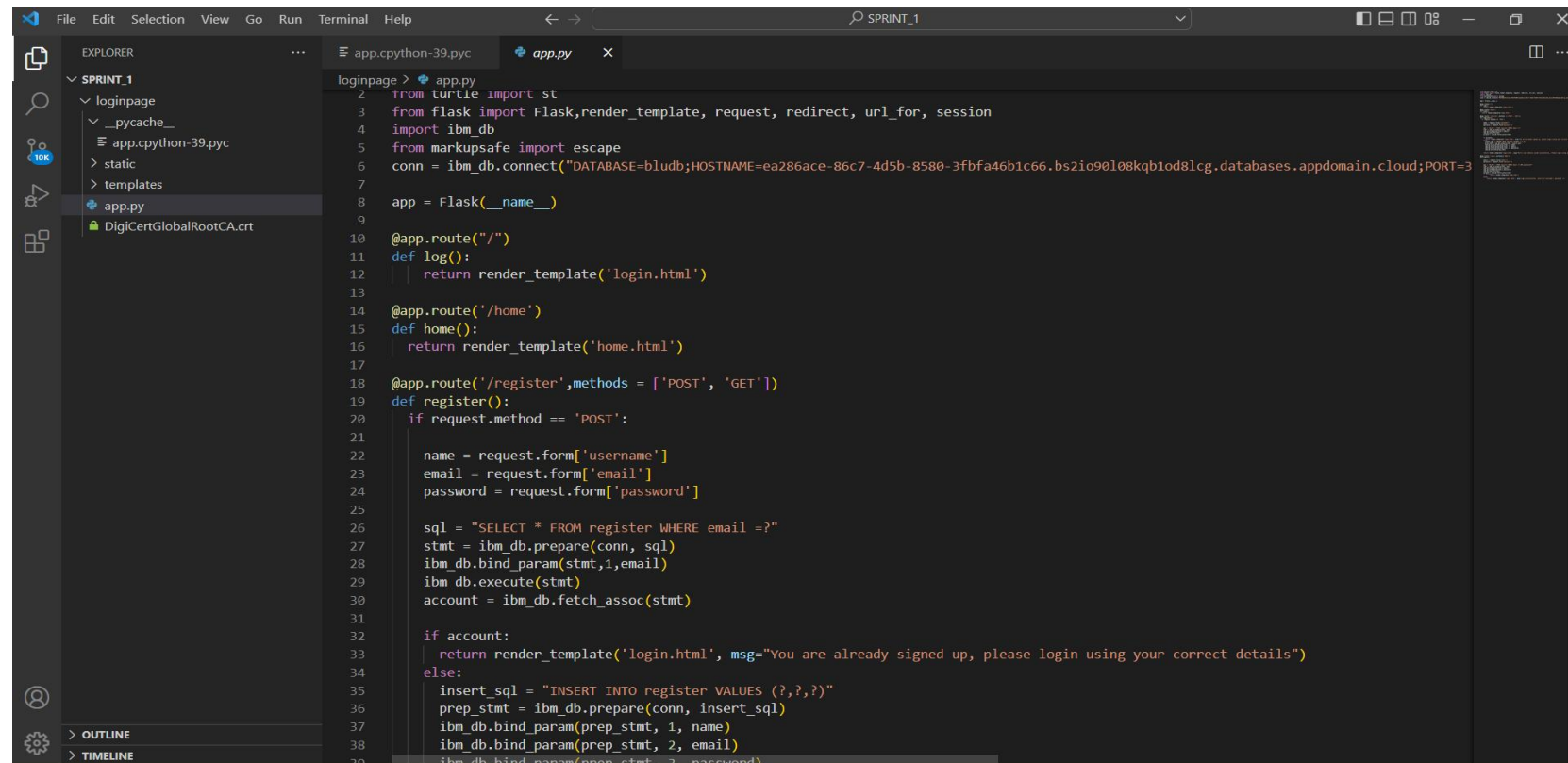


SPRINT - 2

Team ID	PNT2022TMID29840
Project Name	Project-Skill/Job Recommender Application

IBM DB2 CONNECTIVITY



The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer panel on the left shows a project structure for 'SPRINT_1' with a 'loginpage' folder containing 'app.cpython-39.pyc', 'static', 'templates', and 'app.py'. The 'app.py' file is open in the main editor. The code is a Flask application that connects to an IBM DB2 database and implements a login and registration system.

```
loginpage > app.py
1 from flask import Flask, render_template, request, redirect, url_for, session
2 from flask import Flask, render_template, request, redirect, url_for, session
3 from flask import Flask, render_template, request, redirect, url_for, session
4 import ibm_db
5 from markupsafe import escape
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=ea286ace-86c7-4d5b-8580-3fbfa46b1c66.bs2io90108kqb1od8lcg.databases.appdomain.cloud;PORT=3060;UID=ibmuser;PWD=ibm1234567890")
7
8 app = Flask(__name__)
9
10 @app.route("/")
11 def log():
12     return render_template('login.html')
13
14 @app.route('/home')
15 def home():
16     return render_template('home.html')
17
18 @app.route('/register', methods = ['POST', 'GET'])
19 def register():
20     if request.method == 'POST':
21
22         name = request.form['username']
23         email = request.form['email']
24         password = request.form['password']
25
26         sql = "SELECT * FROM register WHERE email =?"
27         stmt = ibm_db.prepare(conn, sql)
28         ibm_db.bind_param(stmt,1,email)
29         ibm_db.execute(stmt)
30         account = ibm_db.fetch_assoc(stmt)
31
32         if account:
33             return render_template('login.html', msg="You are already signed up, please login using your correct details")
34         else:
35             insert_sql = "INSERT INTO register VALUES (?,?,?)"
36             prep_stmt = ibm_db.prepare(conn, insert_sql)
37             ibm_db.bind_param(prepare_stmt, 1, name)
38             ibm_db.bind_param(prepare_stmt, 2, email)
39             ibm_db.bind_param(prepare_stmt, 3, password)
40             ibm_db.execute(prepare_stmt)
```

LOGINPAGE DEBUG RUN

C:\Windows\System32\cmd.exe - flask --debug run

Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lenovo\Desktop\SPRINT_1\loginpage>flask --debug run

* Debug mode: on

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on http://127.0.0.1:5000

Press CTRL+C to quit

* Restarting with stat

* Debugger is active!

* Debugger PIN: 271-978-165

IBM CLOUD DB2

The screenshot displays the IBM Cloud console interface for a Db2-h1 instance. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Sherty J's Account). The main content area shows the resource list for Db2-h1, which is currently Active. A sidebar on the left provides navigation options under the 'Manage' section, including Getting started, Service credentials, and Connections. The main content area is divided into two columns: 'Getting started' and 'Need help?'. The 'Getting started' column contains instructions on how to find credentials and a button to 'Go to UI'. The 'Need help?' column contains a button to 'Support case'.

IBM Cloud Search resources and products... Catalog Manage Sherty J's Account

Resource list / Db2-h1 Active Add tags

Details Actions...

Manage

- Getting started
- Service credentials
- Connections

Getting started

Where can I find my credentials?
Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".
Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.

[Go to UI](#) [Getting started docs](#)

Need help?

Submit a IBM Cloud Support Case to our team.

[Support case](#)

SERVICE CREDENTIALS



The screenshot shows the IBM Cloud console interface. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Sherly J's Account). Below the navigation bar, a table lists service credentials. The first entry, 'Service credentials-1', is selected, and its details are shown in a modal window. The details include a JSON configuration for a database connection.


Key name	Date created
Service credentials-1	2022-11-16 10:54 PM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "gwf34238",
        "-p",
        "uZbKqu14IRXMQHRL",
        "--ssl",
        "--sslCAFile",
        "1dd14d0c-1b52-4f63-a606-53ecba28771d",
        "--authenticationDatabase",
        "admin",
        "--host",
        "ea286ace-86c7-4d5b-8580-3fbfa46b1c66.bs2io90l08kqb1od8lcg.databases.appdomain.cloud:31505"
      ]
    },
    "bin": "db2",
    "certificate": {
      "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURIVENQWdXZ0F3SUJBZ0lVT3dvMC9va09CUEN5RjFWeFJxVGhKRW9ubDBVd0RRWUpLb1pJaHZjTkFRRUwKQ1FBd0hqRWNNQm9HQTFVRUF3d1RTVUp0SUVV0c2IzVmtJRvJoZEdGaVlYTmxjekF1RncweU1EQTRNRFF3TWpVMWpNa1phRncwek1EQTRNRE13TWpVM01qWmFNQjR4SERBYUJnTlZCQU1NRTBsQ1RTQkRiRzKxWkNCRV1YUmhZbUZ6ClpYTXdnZ0VpTUeWR0NTcUdTSWIZRFFFQkFRVUFBNlCRHdBd2dnRUTBb0lCQVFEb0ZFNGQ0SGd0eXZMUUVIwR3gKQTB0amRXQnM4NVBjTDNyRStjN1R3K2diRUdQSUxJU0VZV3o4Y1g1TG1XQk0rY1FnOG9VeSsrQXJ3OEoxXDRZQpySm1IU2I1c1F4WTM0c3BQeGRFVEZkWEhScnJhMGU2VmM4Mw42Tl1JL0ZHSn1Q3hrTG5GMUtFQW9hbHYwaDM2CnhDT0FvcXRwTl1FrTzNpMTRGeU0yRDRiajKxckI4RGk4Vy9XMVpVdVhMNGwzZXVLUZUVCeTRuZmhjV3kySVc3aUMKbGpMZ3R1N3hZTDVHbVpKOUdsYWt1SnJ1cnpNREFQLzVUYnR1UUIdE1odTBRSVRFRH1ESVYUEZ"
    }
  }
}
```


DATA STORED IN IBM DB2 ON CLOUD

IBM Db2 on Cloud








Load DataLoad History**Tables**ViewsIndexesAliasesMQTsSequencesApplication objects




SQL











GWF34238.REGISTER

Back



Export to CSV 

NAME	EMAIL	PASSWORD
Sherly	sherly@gmail.com	12345
Sherly S	Sherly123@gmail.com	12345
qqq	q@gmail.com	67890
susan	sus@gmail.com	6789
susmitha	a@gmail.com	12345