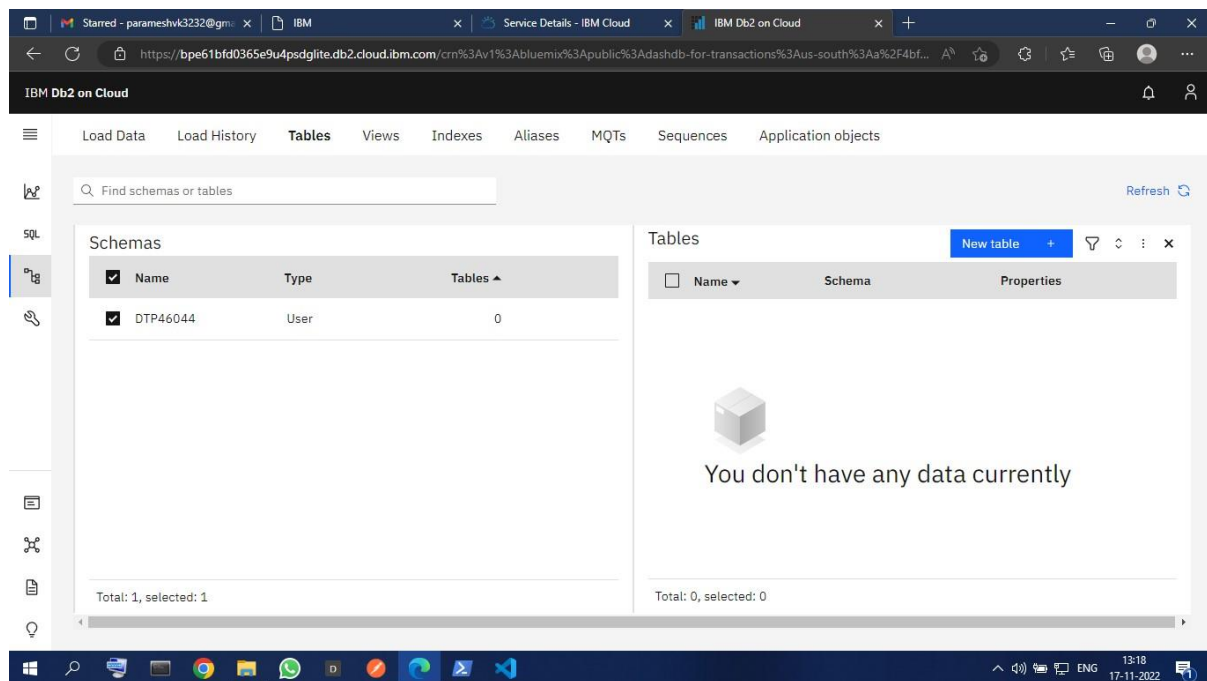


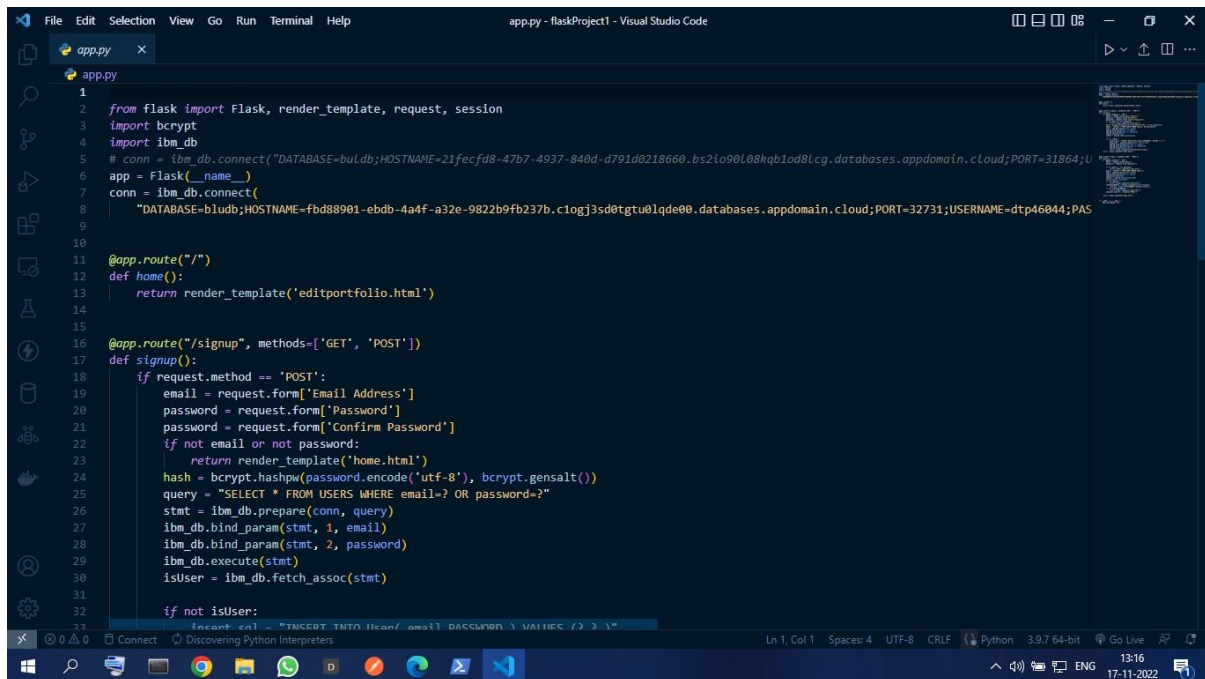
CREATE DB2 AND CONNECT WITH PYTHON

Date	17 November 2022
Team ID	PNT2022TMID47421
Project Name	Smart fashion Recommender application

Creating IBM db2



Connect with python code



The image shows a Visual Studio Code editor window titled "app.py - flaskProject1 - Visual Studio Code". The editor displays a Python file named "app.py" with the following code:

```
1
2 from flask import Flask, render_template, request, session
3 import bcrypt
4 import ibm_db
5 # conn = ibm_db.connect("DATABASE=buldb;HOSTNAME=21fecfd8-47b7-4937-840d-d791d0218660.bs2io90l08kqb1od8l.c.cloud.ibm.com:31864;U
6 app = Flask(__name__)
7 conn = ibm_db.connect(
8     "DATABASE=buldb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;USERNAME=dt46044;PAS
9
10
11 @app.route("/")
12 def home():
13     return render_template('editportfolio.html')
14
15
16 @app.route("/signup", methods=['GET', 'POST'])
17 def signup():
18     if request.method == 'POST':
19         email = request.form['Email Address']
20         password = request.form['Password']
21         password = request.form['Confirm Password']
22         if not email or not password:
23             return render_template('home.html')
24         hash = bcrypt.hashpw(password.encode('utf-8'), bcrypt.gensalt())
25         query = "SELECT * FROM USERS WHERE email=? OR password=?"
26         stmt = ibm_db.prepare(conn, query)
27         ibm_db.bind_param(stmt, 1, email)
28         ibm_db.bind_param(stmt, 2, password)
29         ibm_db.execute(stmt)
30         isUser = ibm_db.fetch_assoc(stmt)
31
32         if not isUser:
33             insert_stmt = "INSERT INTO Users (email, PASSWORD) VALUES (?, ?)"
```

The code is a Flask application that connects to an IBM DB database. It defines a home route and a signup route. The signup route handles POST requests, checks for email and password, hashes the password, and inserts the user into the database. The database connection string is provided in the comments.

The status bar at the bottom shows the file is at line 1, column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python interpreter is 3.9.7 64-bit, and the Go Live extension is installed. The system clock shows 13:16 on 17-11-2022.