

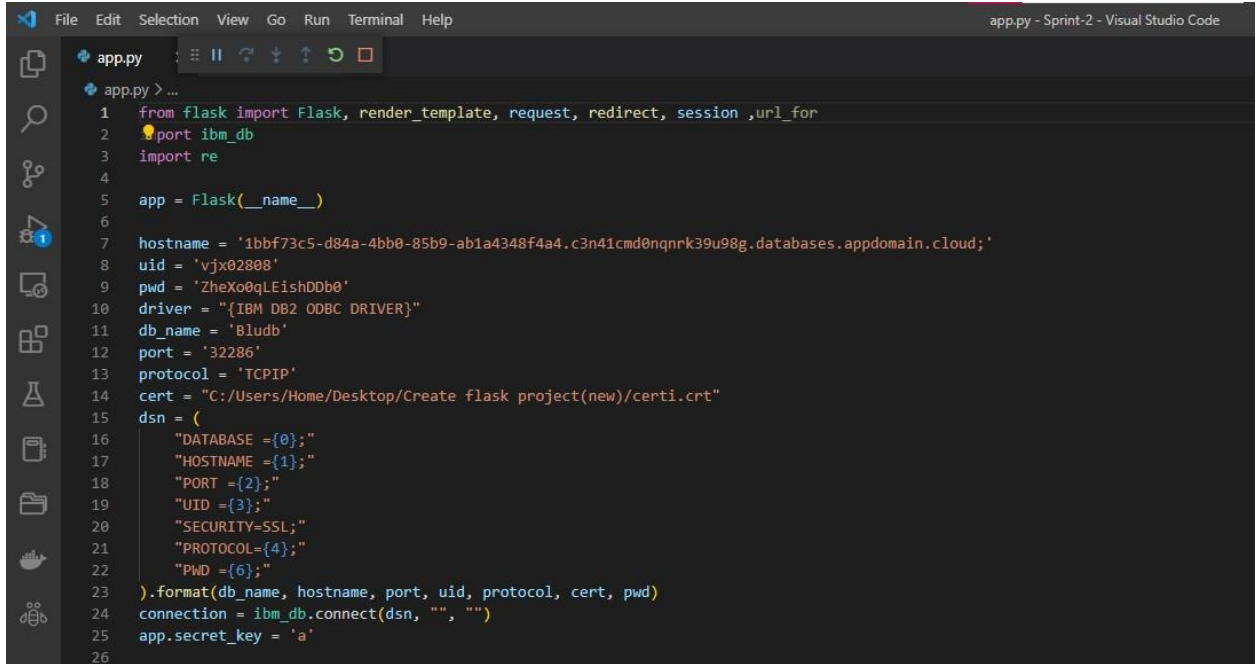
Team ID	PNT2022TMID13431
Project Name	Personal Expense Tracker Application

Create IBM DB2 and Connect with Python: I)

Create IBM DB2:

The screenshot displays the IBM Cloud console interface for a resource named 'Db2-tc'. The top navigation bar shows 'IBM Cloud', a search bar, and user account information. The left sidebar is titled 'Resource list /' and contains a 'Manage' section with links to 'Getting started', 'Service credentials', and 'Connections'. The main content area is divided into two columns. The left column, titled 'Getting started', provides instructions on finding credentials and includes buttons for 'Go to UI' and 'Getting started docs'. The right column, titled 'Need help?', prompts the user to submit a support case and includes a 'Support case' button. The resource status is shown as 'Active' with a green checkmark.

II) Connect with Python:



```
app.py - Sprint-2 - Visual Studio Code

app.py > ...
1 from flask import Flask, render_template, request, redirect, session, url_for
2 import ibm_db
3 import re
4
5 app = Flask(__name__)
6
7 hostname = '1bbf73c5-d84a-4bb0-85b9-ab1a4348f4a4.c3n41cmd0nqnk39u98g.databases.appdomain.cloud;'
8 uid = 'vjx02808'
9 pwd = 'ZheXo0qLEishDDb0'
10 driver = '{IBM DB2 ODBC DRIVER}'
11 db_name = 'Bludb'
12 port = '32286'
13 protocol = 'TCP/IP'
14 cert = 'C:/Users/Home/Desktop/Create flask project(new)/cert1.crt'
15 dsn = (
16     "DATABASE={0};"
17     "HOSTNAME={1};"
18     "PORT={2};"
19     "UID={3};"
20     "SECURITY=SSL;"
21     "PROTOCOL={4};"
22     "PWD={6};"
23 ).format(db_name, hostname, port, uid, protocol, cert, pwd)
24 connection = ibm_db.connect(dsn, "", "")
25 app.secret_key = 'a'
26
```