

Assignment Date	29 October 2022
Student Name	Tharani N P
Student Roll Number	610519104107
Title	Create-IBM-DB2-and-connect-with-python

The screenshot displays the Visual Studio Code interface. The Explorer pane on the left shows the project structure for 'PLASMA DONOR APPLICATION', including files like \_\_pycache\_\_, .vscode, static, templates, app.py, db\_con.py, DigiCertGlobalRootCA.crt, and ibm.py. The main editor window shows the content of 'db\_con.py', which is a Python script using Flask and the ibm\_db library to connect to an IBM DB2 database. The script includes imports for Flask, render\_template, print\_form, and ibm\_db, followed by a connection setup using ibm\_db.connect with specific database credentials. A Flask app is then created, and a print statement confirms the connection.

```

1
2 from flask import Flask, render_template
3 from cgi import print_form
4 import ibm_db
5
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=3883e7e4-18f5-4afe-be8c-fa31c41761d2.bs2io90l88kqb1od81cg.
databases.appdomain.cloud;PORT=31498;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=bvx19292;
PWD=yDuuJH7Oqdzbnxk;"," ","")
7 app = Flask(__name__)
8
9 print(conn)
10 print('Connected Successfully...')
11
12

```

Below the editor, the TERMINAL pane shows the execution of the script in a Windows PowerShell window. The command executed is:
 `PS C:\Users\Tharani N P\OneDrive\Desktop\Flask\PlasmaDonorApplication> "C:/Users/Tharani N P/AppData/Local/Programs/Python/Python310/python.exe" "C:/Users/Tharani N P/OneDrive/Desktop/Flask/PlasmaDonorApplication/db_con.py"`
 The output shows the connection object and a confirmation message:
 `<ibm_db.IBM_DBConnection object at 0x000002E993943770>`
`Connected Successfully...`