

Assignment Date	29 October 2022
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Title	Create-IBM-DB2-and-connect-with-python

The screenshot displays the Visual Studio Code interface. The Explorer panel on the left shows the project structure for 'PLASMADONORAPPLICATION', 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

```

The Terminal panel at the bottom shows the execution of the script in a Windows PowerShell environment. The command executed is `python.exe "c:/Users/Tharani N P/OneDrive/Desktop/Flask/PlasmaDonorApplication/db_con.py"`, which results in the output: `<ibm_db.IBM_DBConnection object at 0x000002E993943770>` and `Connected Successfully...`.

```

Windows PowerShell
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PS C:\Users\Tharani N P\OneDrive\Desktop\Flask\PlasmaDonorApplication> & "C:/Users/Tharani N P/AppData/Local/Programs/Python/Python310/p
ython.exe" "c:/Users/Tharani N P/OneDrive/Desktop/Flask/PlasmaDonorApplication/db_con.py"
<ibm_db.IBM_DBConnection object at 0x000002E993943770>
Connected Successfully...
PS C:\Users\Tharani N P\OneDrive\Desktop\Flask\PlasmaDonorApplication>

```

The status bar at the bottom indicates the current file is at line 12, column 1, using UTF-8 encoding with CRLF line endings. The Python interpreter is 3.10.7 64-bit, and the Prettier extension is active.