

IMPLEMENTING WEB APPLICATION

CREATE IBM DB2 AND CONNECT WITH PYTHON

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IBM DB2 :

The screenshot shows a VS Code editor with a Python script named `dbcon.py` and its terminal output. The script defines connection parameters for an IBM DB2 database and attempts to establish a connection using the `ibm_db` library.

```

1 import ibm_db
2
3 hostname="ba99a9e6-d50e-4883-8fco-d6a8c9f7a88f.clogj3d0tgru0lqdx00.databases.appdomain.cloud"
4 uid="j1t11380"
5 pwd="0sfzntc5Quaggyk"
6 drivers=["IBM DB2 ODBC DRIVER"]
7 db="bludb"
8 port="31321"
9 protocol="TCP/IP"
10 cert="cert.crt"
11
12 dsn={
13     "DATABASE=[0];"
14     "HOSTNAME={1};"
15     "PORT={2};"
16     "UID={3};"
17     "SECURITY=SSL;"
18     "SSL ServerCertificate={4};"
19     "PWD={5};".format(db,hostname,port,uid,cert,pwd)
20
21 print(dsn)
22 try:
23     db2=ibm_db.connect(dsn,"")
24     print("connected to database")

```

The terminal output shows the execution of the script, displaying the constructed DSN string and the successful connection to the database:

```

PS C:\Users\VSU> cd "g:\bludb"; & 'c:\Program Files\Python38\python.exe' 'c:\Users\VSU\vscode\extensions\ms-python.python-2022.16.1\python\lib\python\debugpy\launcher' '61355' '-' 'g:\bludb\dbcon.py'
DATABASE=bludb;HOSTNAME=ba99a9e6-d50e-4883-8fco-d6a8c9f7a88f.clogj3d0tgru0lqdx00.databases.appdomain.cloud;PORT=31321;UID=j1t11380;SECURITY=SSL;SSL ServerCertificate=cert.crt;PWD=0sfzntc5Quaggyk;
connected to database
PS C:\Users\VSU>

```