

try:
conn = ibm db connect(den "" "")

```
print ("Connected to database: ", dsn_database, "as user: ", dsn_uid, "on host: ", dsn_hostname)
          except:
    print ("Unable to connect: ", ibm_db.conn_errormsg() )
          Connected to database: BLUDB as user: gkm89241 on host: dashdb-txn-sbox-yp-lon02-01.services.eu-gb.bluemix.net
          Congratulations if you were able to connect successfuly. Otherwise check the error and try again.
[5]: #Retrieve Metadata for the Database Server
server = ibm_db.server_info(conn)
         print ("DBMS_NAME: ", server.DBMS_NAME)
print ("DBMS_VER: ", server.DBMS_VER)
print ("DB_NAME: ", server.DB_NAME)
          DBMS_NAME: DB2/LINUXX8664
         DBMS_VER: 11.01.0303
DB_NAME: BLUDB
[6]: #Retrieve Metadata for the Database Client / Driver
client = ibm_db.client_info(conn)
         print ("DRIVER_NAME: ", client.DRIVER_NAME)
print ("ORIVER_VER: ", client.DRIVER_VER)
print ("ORIVER_VER: ", client.DATA_SOURCE_NAME:
print ("ORIVER_ODE_VER: ", client.DRIVER_ODE_VER)
print ("OBG_VER: ", client.DBC_VER,
print ("OBG_SQL_CONFORMANCE: ", client.DBC_SQL_CONFORMANCE)
print ("APPL_CODEPAGE: ", client.APPL_CODEPAGE)
print ("CONN_CODEPAGE: ", client.CONN_CODEPAGE)
         DRIVER_NAME:
DRIVER_VER:
DATA_SOURCE_NAME:
                                                 libdb2.a
                                                  11.01.0404
BLUDB
03.51
03.01.0000
          DRIVER_ODBC_VER:
         ODBC_YER: 03.01.000
ODBC_SQL_CONFORMANCE: EXTENDED
APPL_CODEPAGE: 1208
CONN_CODEPAGE: 1208
          Close the Connection
```

We free all resources by closing the connection. Remember that it is always important to close connections so that we can avoid unused connections taking up resources.

**Did you know?** IBM Watson Studio lets you build and deploy an AI solution, using the best of open source and IBM software and giving your team a single environment to work in. Learn more here.

[7]: ibm\_db.close(conn)

[7]: True

## Summary

In this tutorial you established a connection to a DB2 database on Cloud database from a Python notebook using ibm\_db API.

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