Untitled

April 18, 2020

```
[1]: import ibm_db
```

```
[2]: #Replace the placeholder values with your actual Db2 hostname, username, and
     →password:
     dsn_hostname = "dashdb-txn-sbox-yp-lon02-04.services.eu-gb.bluemix.net" # e.g.:
     →"dashdb-txn-sbox-yp-dal09-04.services.dal.bluemix.net"
     dsn_uid = "rcm78049"        # e.g. "abc12345"
     dsn_pwd = "mxtzzbnh@svr0rng"      # e.g.  "7dBZ3wWt9XN6$o0J"

     dsn_driver = "{IBM DB2 ODBC DRIVER}"
     dsn_database = "BLUDB"            # e.g.  "BLUDB"
     dsn_port = "50000"               # e.g.  "50000"
     dsn_protocol = "TCPIP"           # i.e.  "TCPIP"
```

```
[3]: #DO NOT MODIFY THIS CELL. Just RUN it with Shift + Enter
     #Create the dsn connection string
     dsn = (
         "DRIVER={0};"
         "DATABASE={1};"
         "HOSTNAME={2};"
         "PORT={3};"
         "PROTOCOL={4};"
         "UID={5};"
         "PWD={6};").format(dsn_driver, dsn_database, dsn_hostname, dsn_port,
     →dsn_protocol, dsn_uid, dsn_pwd)

     #print the connection string to check correct values are specified
     print(dsn)
```

```
DRIVER={IBM DB2 ODBC DRIVER};DATABASE=BLUDB;HOSTNAME=dashdb-txn-sbox-yp-
lon02-04.services.eu-
gb.bluemix.net;PORT=50000;PROTOCOL=TCPIP;UID=rcm78049;PWD=mxtzzbnh@svr0rng;
```

```
[4]: #DO NOT MODIFY THIS CELL. Just RUN it with Shift + Enter
     #Create database connection

     try:
```

```
    conn = ibm_db.connect(dsn, "", "")
    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: rcm78049 on host: dashdb-txn-sbox-yp-
lon02-04.services.eu-gb.bluemix.net

[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:   11.01.0404
DB_NAME:    BLUDB
```

[6]:
```
#Retrieve Metadata for the Database Client / Driver
client = ibm_db.client_info(conn)

print ("DRIVER_NAME:          ", client.DRIVER_NAME)
print ("DRIVER_VER:           ", client.DRIVER_VER)
print ("DATA_SOURCE_NAME:     ", client.DATA_SOURCE_NAME)
print ("DRIVER_ODBC_VER:      ", client.DRIVER_ODBC_VER)
print ("ODBC_VER:             ", client.ODBC_VER)
print ("ODBC_SQL_CONFORMANCE: ", client.ODBC_SQL_CONFORMANCE)
print ("APPL_CODEPAGE:        ", client.APPL_CODEPAGE)
print ("CONN_CODEPAGE:        ", client.CONN_CODEPAGE)
```

```
DRIVER_NAME:          libdb2.a
DRIVER_VER:           11.01.0405
DATA_SOURCE_NAME:     BLUDB
DRIVER_ODBC_VER:      03.51
ODBC_VER:             03.01.0000
ODBC_SQL_CONFORMANCE: EXTENDED
APPL_CODEPAGE:        1208
CONN_CODEPAGE:        1208
```

[7]:
```
ibm_db.close(conn)
```

[7]: True

[ ]: