STEPS TO CREATE IBM DB2 AND CONNECTION WITH PYTHON TEAM ID: PNT2022TMID47055

STEP 1: Import the ibm_db Python library:

!pip install --force-reinstall ibm_db==3.1.0 ibm_db_sa==0.3.7 import ibm_db

STEP 2: Identify the database connection credentials:

```
dsn_hostname = "824dfd4d-99de-440d-9991-629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud" dsn_uid = "vjd29721" dsn_pwd = "6TTgx8MRBzT45o3q" dsn_driver = "{IBM DB2}

ODBC DRIVER}" dsn_database = "BLUDB" # e.g. "BLUDB" dsn_port = "301198" # e.g. "32733" dsn_protocol = "TCPIP" # i.e. "TCPIP" dsn_security = "SSL" #i.e. "SSL"
```

STEP 3: Create the DB2 database connection:

```
server = ibm_db.server_info(conn)
print ("DBMS_NAME: ", server.DBMS_NAME) print
("DBMS_VER: ", server.DBMS_VER) print
("DB_NAME: ", server.DB_NAME)
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)
                         ", client.APPL_CODEPAGE) print
print ("APPL_CODEPAGE:
("CONN_CODEPAGE: ", client.CONN_CODEPAGE)
```

STEP 4: Close the Connection:

ibm_db.close(conn)