STEPS TO CREATE IBM DB2 AND CONNECTION WITH PYTHON

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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:
ppdomain.cloud"
dsn_uid = "tjp74019"
dsn_pwd = "3aZff80VWfJ5cqpk"
dsn_driver = "{IBM DB2 ODBC DRIVER}"
dsn_database = "BLUDB"
dsn_port = "31198"
dsn_protocol = "TCPIP"
dsn_security = "SSL"
 STEP 3: Create the DB2 database connection:
 dsn = (
   "DRIVER={0};"
   "DATABASE={1};"
   "HOSTNAME={2};"
   "PORT={3};"
   "PROTOCOL={4};"
   "UID={5};"
   "PWD={6};"
   "SECURITY={7};").
   format(dsn_driver,
                     dsn_database,
                                    dsn_hostname,
                                                   dsn_port,
                                                              dsn_protocol,
                                                                             dsn_uid,
 dsn_pwd,dsn_security) print(dsn)
   Now establish the connection to the database
 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() )
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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)
       ("DRIVER_NAME:
                                   client.DRIVER_NAME)
 print
                                                          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)
 STEP 4: Close the Connection:
 ibm_db.close(conn)
```