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#STEPS TO CREATE IBM DB2 AND CONNECTION WITH PYTHON
#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 = "fbd88901-ebdb-4a4f-a32e-
9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud" dsn_uid =
"wxs77796"  dsn_pwd = "fv1zsnR7cf2LCSA3" dsn_driver = "{IBM DB2 ODBC
DRIVER}" dsn_database = "BLUDB" # e.g. "BLUDB" dsn_port = "32731"
dsn_protocol =
"TCPIP"          # i.e. "TCPIP" dsn_security = "SSL"
#i.e. "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() )

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) print ("APPL_CODEPAGE:      ",
client.APPL_CODEPAGE) print
("CONN_CODEPAGE: ", client.CONN_CODEPAGE)

#STEP 4: Close the Connection:

ibm_db.close(conn)
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