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Team ID	PNT2022MID48213
Project name	Skills/Job Recommender Application

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 = "2d46b6b4-cbf6-40eb-bbce 6251e6ba0300.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"

dsn_uid = "mnfrk567" dsn_pwd = "7RRvb9RDCoZ78j9I" dsn_driver =

"{IBM DB2 ODBC DRIVER}" dsn_database = "BLUDB"

# e.g. "BLUDB" dsn_port = "32328" # e.g. "32733"

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)
```

















