

STEPS TO CREATE IBM DB2 AND CONNECTION WITH PYTHON

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Team ID	PNT2022TMID32142
Project Name	Smart Fashion Recommender Application

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.bs2io90108kqb1od8lcg.databases.appdomain.cloud"
dsn_uid = "vjd29721" dsn_pwd = "6TTgx8MRBzT45o3q"
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:

```
bm_db.close(conn)
```

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THINK POSITIVE !!!

MAKE POSITIVE 😊