CREATE IBM DB2 AND CONNECT 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 =
"84afae526a442a783e90feb004a15a7.databases.appdomain.cloud"

dsn_uid = "951919CS054@smartinternz.com"

dsn_pwd = "6TTgx8MRBzT45o3q"

dsn_driver = "{IBM DB2 ODBCDRIVER}"

dsn_database = "BLUDB" # e.g. "BLUDB"

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

dsn_protocol = "TCPIP" # i.e. "TCPIP"

STEP 3: Create the DB2 database connection:

```
dsn = (

    "DRIVER={0};"

    "DATABASE={1};"

    "HOSTNAME={2};"

    "PORT={3};"

    "PROTOCOL={4};"

    "UID={5};"
```

```python
    "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