

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\PREETHI>pip install ibm-db
Requirement already satisfied: ibm-db in c:\users\preethi\appdata\local\programs\python\python39\lib\site-packages (3.1.3)

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\PREETHI>
```

```
localhost:8888/notebooks/Untitled4.ipynb?kernel_name=python3
jupyter Untitled4 Last Checkpoint: 25 minutes ago (unsaved changes)
Python 3 (ipykernel)

In [1]: dsn_hostname="2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqrk39u98g.databases.appdomain.cloud"
        dsn_uid="211519104119@smartinternz.com"
        dsn_pwd="preethi24"
        dsn_driver="{IBM DB2 ODBC DRIVER}"
        dsn_database="BLUDB"
        dsn_port="30756"
        dsn_protocol="TCP/IP"

In [2]: dsn={
        "DRIVER={0}";
        "DATABASE={1}";
        "HOSTNAME={2}";
        "PORT={3}";
        "PROTOCOL={4}";
        "UID={5}";
        "PWD={6}";
        }.format(dsn_driver, dsn_database, dsn_hostname, dsn_port, dsn_protocol, dsn_uid, dsn_pwd)
        print(dsn)

DRIVER={IBM DB2 ODBC DRIVER};DATABASE=BLUDB;HOSTNAME=2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqrk39u98g.databases.appdomain.cloud;PORT=30756;PROTOCOL=TCP/IP;UID=211519104119@smartinternz.com;PWD=211519104119@smartinternz.com;

In [ ]: server=ibm_db.server_info(conn)
        print ("DBMS_NAME: ", server.DBMS_NAME)
        print ("DBMS_VER: ", server.DBMS_VER)
        print ("DB_NAME: ", server.DB_NAME)
```

```
localhost:8888/notebooks/Untitled5.ipynb?kernel_name=python3
jupyter Untitled5 Last Checkpoint: 4 minutes ago (unsaved changes)
File Edit View Insert Cell Kernel Widgets Help
+ %< %> %> Run C Code
In [ ]: import pandas
import ibm_db_dbi
pd_conn=ibm_db_dbi.Connection(conn)
selectQuery="select * from CARTOON_CHARACTERS"
dataframe=pandas.read_sql(selectQuery,pd_conn)
dataframe
```

	ID	FIRST_NAME	LAST_NAME	ADDRESS	CITY	AGE
0	1	Mickey	Mouse	123 Fantasy Way	Anaheim	18
1	2	Bat	Man	321 Cavern Ave	Gotham	32
2	3	Wonder	Woman	987 Truth Way	Paradise	28