

Create IBM DB2 and Connect with Python

Team ID	PNT2022TMID43745
Project Name	Smart Fashion Recommender Application

The screenshot displays the Spyder Python IDE interface. The main editor window shows a Python script named `demo.py` with the following code:

```
1 import ibm_db
2
3 hostname="ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud"
4 uid="dlj64430"
5 pwd="r9cMdLXTNviRUhMq"
6 driver="IBM DB2 ODBC DRIVER"
7 db="bludb"
8 port="31321"
9 protocol="TCPIP"
10 cert="Certificate.crt"
11 dsn=(
12     "DATABASE={0};"
13     "HOSTNAME={1};"
14     "PORT={2};"
15     "UID={3};"
16     "SECURITY=SSL;"
17     "SSLServerCertificate={4};"
18     "PWD={5};"
19 ).format(db,hostname,port,uid,cert,pwd)
20 print(dsn)
21 try:
22     db2=ibm_db.connect(dsn,"","")
23     print("unable to connect")
24 except:
25     print("connected to data base")
```

The right-hand pane shows the IPython console with the following output:

```
Python 3.9.7 (default, Sep 16 2021, 16:59:28) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license()" for more information.

IPython 7.29.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/Preethiganesh/OneDrive/Desktop/db/demo.py', wdir='C:/Users/Preethiganesh/OneDrive/Desktop/db')
DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;UID=dlj64430;SECURITY=SSL;SSLServerCertificate=Certificate.crt;PWD=r9cMdLXTNviRUhMq;
connected to data base

In [2]:
```

The bottom status bar indicates the current environment is `conda: base (Python 3.9.7)` and the file encoding is `UTF-8`.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Preethiganesh\OneDrive\Documents\db> python demo.py
DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;UID=dLj64430;SECURITY=SSL;SSLServerCertificate=Certificate.crt;PWD=r9cMdLXTNviRUnMq;
connected to data base
PS C:\Users\Preethiganesh\OneDrive\Documents\db> |
```

IBM Db2 on Cloud

Data objects

Filter objects

DLJ64430

SQL

History

Results

Find history

Script	Date	Status	Runtime
Untitled - 1	Nov 11, 2022 10:43:29 PM	✓ 1	0.010 s
INSERT INTO TEST(NAME,EMAIL,COLLEGE) VALUES('PREETHI G','PREETHIG@GMAIL.COM','RATHINAM');		✓	0.010 s

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

Find schemas or tables Refresh

Tables New table

Name	Schema	Properties
TEST	DLJ64430	...

Total: 1, selected: 0

Table definition

TEST No statistics available.

Name	Data type	Nullable	Length	Scale
NAME	CHAR	Y	5	0
EMAIL	CHAR	Y	25	0
College Name	CHAR	Y	27	0

View data

2022_1111_2213.csv 2022_1111_2206.csv Show all

21°C Raining now

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

DLJ64430.TEST Back

Export to CSV

NAME	EMAIL	COLLEGE
PREETHI G	PREETHIG@GMAIL.COM	RATHINAM

2022_1111_2213.csv 2022_1111_2206.csv Show all

21°C Rain