

## Create IBM DB2 And Connect With Python

Date	26 September 2022
Team ID	PNT2022TMID38699
Project Name	Project – Plasma Donor Application

### Source code:

```
import ibm_db
hostname="824dfd4d-99de-440d-9991-629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud:"
uid="vth99334"
pwd="VD0EOjmWH16DSQ2m"
driver="{IBM DB2 ODBC DRIVER}"
db="bludb"
port="30119"
protocol="TCPIP"
cert="DigiCertGlobalRootCA.crt"
dsn=(
    "DATABASE={0};"
    "HOSTNAME={1};"
    "PORT={2};"
    "UID={3};"
    "SECURITY=SSL;"
    "SSLServerCertificate={4};"
    "PWD={5};"
).format(db,hostname,port,uid,cert,pwd)
print(dsn)
try:
    db2=ibm_db.connect(dsn,"","")
    print("Connected to data base")
except:
    print("Unable to Connect",ibm_db.conn_errormsg())
```

### IBM DB2:

The screenshot displays the IBM Db2 on Cloud web interface. The browser address bar shows the URL: `bs2ipcul0apon0jufi80lite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2F23ceabde81fb43c0b1...`. The interface includes a navigation bar with tabs for Load Data, Load History, Tables, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The 'Tables' tab is active, showing a list of tables under the schema 'ZTG96113'. The table 'REGTBL' is selected, and its definition is shown in the 'Table definition' panel. The table definition includes columns: USERNAME, EMAIL, PASSWORD, and re-password, all of type CHAR with a length of 5 and a scale of 0. The 'View data' button is visible at the bottom of the table definition panel.

Name	Data type	Nullable	Length	Scale
USERNAME	CHAR	Y	5	0
EMAIL	CHAR	Y	5	0
PASSWORD	CHAR	Y	5	0
re-password	CHAR	Y	5	0

The screenshot displays the IBM Db2 on Cloud console interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' section is active, showing a list of tables in the 'ZTG96113' schema. Two tables are listed: 'REGTBL' and 'USERTBL'. The 'Table definition' panel for 'REGTBL' is open, showing columns: 'USERNAME' (CHAR, Y, 5, 0), 'EMAIL' (CHAR, Y, 5, 0), 'PASSWORD' (CHAR, Y, 5, 0), and a truncated column. A 'View data' button is visible at the bottom of the table definition panel.

Name	Schema	Properties
<input type="checkbox"/> REGTBL	ZTG96113	...
<input type="checkbox"/> USERTBL	ZTG96113	...

  

Name	Data type	Nullable	Length	Scale	
USERNAME	CHAR	Y	5	0	
EMAIL	CHAR	Y	5	0	
PASSWORD	CHAR	Y	5	0	
re- password	CHAR	Y	5	0	

View data