

Create IBM DB2 And Connect With Python

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Project Name	Project-Personal expense tracker application

IBM DB2

The screenshot displays the IBM Db2 on Cloud web console. The 'Tables' tab is active, showing a list of tables. The 'EXPENSETRACKER' table is selected, and its definition is shown on the right. The table has five columns: USERNAME, EMAIL, PASSWORD, CONFIRMPASSWORD, and an unnamed column. All columns are of type VARCHAR(32) and are nullable. The table is located in the KK386218 schema.

Name	Data type	Nullable	Length	Scale
USERNAME	VARCHAR	Y	32	0
EMAIL	VARCHAR	Y	32	0
PASSWORD	VARCHAR	Y	32	0
CONFIRMPASSWORD	VARCHAR	Y	32	0

Source Code for Python to DB2 Connection

The screenshot shows the Spyder Python IDE with a file named 'ibm_db.py'. The code defines a dictionary 'dsn' with the following values: DATABASE='(?)', HOSTNAME='(?)', PORT='(?)', UID='(?)', SECURITY='SSL', and SSLServerCertificate='(?)'. The code then attempts to connect to the database using 'db2-ibm_db.connect(dsn, "", "")'. If the connection fails, it prints an error message.

```
1 import ibm_db
2
3 hostname="0c7706f2-5da9-48a9-81f8-86b520b87518.bs2to90108qblod8lcy.databases.appdomain.cloud:3"
4 uid="kvj63348"
5 pwd="orcz29w6J0/pmm6"
6 driver="IBM DB2 ODBC DRIVER"
7 db="bludb"
8 port="31198"
9 protocol="TCP/IP"
10 cert="certificate.crt"
11
12 dsn={
13     "DATABASE=(?)",
14     "HOSTNAME=(?)",
15     "PORT=(?)",
16     "UID=(?)",
17     "SECURITY=SSL",
18     "SSLServerCertificate=(?)",
19     "PWD=(?)",
20     "format(db,hostname,port,uid,cert,pwd)"
21 }
22
23 print(dsn)
24
25 try:
26     db2-ibm_db.connect(dsn, "", "")
27     print("connected to data base")
28 except:
29     print("unable to connect", ibm_db.conn_errormsg())
```