

# Create IBM DB2 And Connect With Python

Team id	PNT2022TMID48287
Project Name	Containment Zone Alerting Application

The screenshot displays the IBM Cloud console interface for a resource named 'Db2-wa'. The top navigation bar includes the IBM Cloud logo, a search bar, and user account information. The left sidebar shows the 'Manage' section with options like 'Getting started', 'Service credentials', and 'Connections'. The main content area is divided into two columns. The left column contains a 'Getting started' section with instructions on finding credentials and a 'Go to UI' button. The right column contains a 'Need help?' section with a 'Support case' button. The bottom of the screen shows a Windows taskbar with various application icons and system status indicators.

IBM Cloud

Search resources and products...

Resource list / Db2-wa Active Add tags Details Actions...

**Manage**

- Getting started
- Service credentials
- Connections

**Getting started**

Where can I find my credentials?

Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".

Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.

[Go to UI](#) [Getting started docs](#)

**Need help?**

Submit a IBM Cloud Support Case to our team.

[Support case](#)

ENG IN 10:12 AM 16-November-2022

The image shows a Visual Studio Code editor window with a Python file named `app.py`. The code is a Flask application that connects to a database and runs a web server. The terminal output shows the application running successfully on `http://127.0.0.1:8080` and `http://192.168.43.73:8080`.

```
1 from flask import Flask, render_template, request, redirect, url_for, session
2 from markupsafe import escape
3
4
5
6 app = Flask(__name__)
7
8 import ibm_db
9
10 hostname = "21fecfd8-47b7-4937-840d-d791d0218660.bs2io90l08kqb1od8lsg.databases.appdomain.cloud"
11 uid = "qks093318"
12 pwd = "JzP1aXWusxW68kV"
13 driver = "{IBM DB2 ODBC DRIVER}"
14 db = "bludb"
15 port = "31864"
16 protocol = "TCP/IP"
17 cert = "certificate.cpt"
18
19 dsn = (
20     "DATABASE={};"
21     "HOSTNAME={};"
22     "PORT={};"
23     "UID={};"
24     "PWD={};"
25     "SECURITY=SSL;"
26     "SSLServerCertificate=certificate;"
27 )
28
29 if __name__ == "__main__":
30     run(app)
```

Run: `C:\Users\rckod\anaconda3\python.exe "E:\sprint 1\app.py"`  
DATABASE=bludb;HOSTNAME=21fecfd8-47b7-4937-840d-d791d0218660.bs2io90l08kqb1od8lsg.databases.appdomain.cloud;PORT=31864;UID=qks093318;SECURITY=SSL;SSLServerCertificate=certificate;  
Success Connected to data base  
\* Serving Flask app 'app'  
\* Debug mode: on  
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.  
\* Running on all addresses (0.0.0.0)  
\* Running on <http://127.0.0.1:8080>  
\* Running on <http://192.168.43.73:8080>  
Press CTRL+C to quit

The image shows a web browser window displaying a 'Sign up' form. The form has a purple background and contains the following fields:

- Your Name**:
- Your Email**:
- Mobile Number**:
- Password**:
- Repeat your password**:

Below the password fields, there is a checkbox labeled ☒ I agree all statements in [Terms of service](#).

IBM-Project-18105-1659679490 | Home | IBM | Service Details - IBM Cloud | IBM Db2 on Cloud

bs2ipcul0apon0jufi80lite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fd204675938de41a3a0b863034bdfff9%3Aada58ed-3795-4e87-a95...

IBM Db2 on Cloud

Data objects | Saved objects

Filter objects

QKS09318

Untitled - 1

1

INSERT INTO user (username, email, password) VALUES ('Kodi', 'Kodi100@gmail.com', 'Kodi@123');

History

Find history

Script	Date	Status	Runtime
Untitled - 1	Nov 16, 2022 10:13:30 AM	1	0.014 s
INSERT INTO user (username, email, password) VALUES ('Kodi', 'Kodi100@gmail.com', 'Kodi@123');			

Search

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