

Create IBM DB2 and connect with python

DATE	14 NOVEMBER 2022
TEAM ID	PNT2022TMID01237
PROJECT NAME	SMART FASHION RECOMMENDER APPLICATION

DATABASE CONNECTION:

```
import ibm_db

conn = None

def get_db():
    global conn
    print(conn)
    if conn == None:
        conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7e4
83086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SECURIT
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=yvp21124;PWD=jN
DAkHSrZNopa2oe",'','')
    return conn
```

CREATING INSTANCE IN IBM CLOUD:

The screenshot displays the IBM Cloud 'Resource list' interface. At the top right, there is a 'Create resource' button. Below the header, a table lists various resource categories and their counts: Compute (0), Containers (0), Networking (0), Storage (1+), AI / Machine Learning (1+), Analytics (0), Blockchain (0), Databases (1), Developer tools (0), Logging and monitoring (0), Migration (0), Integration (0+), Internet of Things (0), Security (0), Mobile (0), and Other (0+). The 'Databases (1)' category is expanded, showing a single resource: 'Db2-nw'. This resource is located in 'Dallas' and is in an 'Active' state. The interface includes search filters for Name, Group, Location, Product, Status, and Tags. A blue 'C' icon is visible in the bottom right corner.

CREATING TABLES IN DATABASE

Schemas

<input checked="" type="checkbox"/> Name	Type	Tables ▾
<input checked="" type="checkbox"/> YVP21124	User	7

Total: 1, selected: 1

Tables

New table +

☐ Name ▾

Schema

Properties

<input type="checkbox"/> CART	YVP21124	...
<input type="checkbox"/> CATEGORY	YVP21124	...
<input type="checkbox"/> ORDER	YVP21124	...
<input type="checkbox"/> ORDERDETAIL	YVP21124	...
<input type="checkbox"/> PRODUCT	YVP21124	...
<input type="checkbox"/> TEST	YVP21124	...
<input type="checkbox"/> USER	YVP21124	...

Total: 7, selected: 0