

TEAM ID: PNT2022TMID19384

IBM DB2 – ACCESSING PYTHON FILE

Resource list /
Db2-95 Active Add tags

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](#)

```
File Edit Selection View Go Run Terminal Help
app.py - ibmdb.python - Visual Studio Code

EXPLORER
  OPEN EDITORS
    app.py
    list.html templates
    DigiCertGlobalRootCA(1).cert
  IBMDB PYTHON
    _pycache_
    templates
    add_student.html
    home.html
    list.html
    result.html
    app.py
    DigiCertGlobalRootC...
    README.md

app.py
1 from turtle import st
2 from flask import Flask, render_template, request, redirect, url_for, session
3 from markupsafe import escape
4
5 import ibm_db
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;SECURI
7
8 app = Flask(__name__)
9
10
11
12 @app.route('/')
13 def home():
14     return render_template("home.html")
15
16 @app.route('/addstudent')
17 def new_student():
18     return render_template("add_student.html")
19
20 @app.route('/addrec', methods = ['POST', 'GET'])
21 def addrec():
22     if request.method == 'POST':
23
24         name = request.form['name']
25         address = request.form['address']
```

```
PS C:\Users\91936\Downloads\flask-with-ibm-db2-main\ibmdb.python>
PS C:\Users\91936\Downloads\flask-with-ibm-db2-main\ibmdb.python> flask -app app --debug run
Usage: flask [OPTIONS] COMMAND [ARGS]...
Try 'flask --help' for help.

Error: No such option: -a
PS C:\Users\91936\Downloads\flask-with-ibm-db2-main\ibmdb.python> flask --debug run
* 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 http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
```

[HOME](#) [Add New Student](#) [List Student](#)

Student Information

Name
Darshan G

Address
Anna Nagar

City
chennai

PINCODE
600102

submit

Activate Windows
Go to Settings to activate Windows.

The screenshot displays the IBM Db2 on Cloud web interface. The left sidebar shows a tree view of database objects including VVR77204, Tables, PERSONS, STUDENTS, Views, MQTs, Aliases, and Nicknames. The main area shows a SQL script in a text editor with the following content:

```
1 CREATE TABLE STUDENTS (  
2   Name varchar(255),  
3   Address varchar(255),  
4   City varchar(255),  
5   Pin int  
6 );  
7  
8 insert into students values('Vikram','bkp','cbe',732627);  
9 select * from students;
```

Below the script editor, the 'History' tab is active, showing a table of executed scripts:

Script	Date	Status	Runtime
Untitled - 1	Nov 5, 2022 5:11:54 PM	1	0.008 s
select * from students		1	0.008 s
Untitled - 1	Nov 5, 2022 4:59:58 PM	1	0.013 s
CREATE TABLE STUDENTS (Name varchar(255), Address varchar(255), City varchar(255), Pin int)		1	0.013 s
Untitled - 1	Nov 5, 2022 4:53:27 PM	1	0.015 s

The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating the date as 05-11-2022 and time as 17:27.