

Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
Password for user postgres:

psql (17.5)
WARNING: Console code page (437) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
Type "help" for help.

postgres=# create database demodb;
CREATE DATABASE
postgres=# \c demodb
You are now connected to database "demodb" as user "postgres".
demodb=# |

```
SQL Shell (psql)
demodb | postgres | UTF8 | libc | English_India.1252 | English_India.1252 | | | |
postgres | postgres | UTF8 | libc | English_India.1252 | English_India.1252 | | | |
python | postgres | UTF8 | libc | English_India.1252 | English_India.1252 | | | |
student | postgres | UTF8 | libc | English_India.1252 | English_India.1252 | | | |
template0 | postgres | UTF8 | libc | English_India.1252 | English_India.1252 | | | |
template1 | postgres | UTF8 | libc | English_India.1252 | English_India.1252 | | | |

=c/postgres +
postgres=CTc/postgres
=c/postgres +
postgres=CTc/postgres

(6 rows)
```

```
demodb=# create database test;
CREATE DATABASE
demodb=# \l
```

List of databases								
Name	Owner	Encoding	Locale Provider	Collate	Ctype	Locale	ICU Rules	Access privileges
demodb	postgres	UTF8	libc	English_India.1252	English_India.1252			
postgres	postgres	UTF8	libc	English_India.1252	English_India.1252			
python	postgres	UTF8	libc	English_India.1252	English_India.1252			
student	postgres	UTF8	libc	English_India.1252	English_India.1252			
template0	postgres	UTF8	libc	English_India.1252	English_India.1252			=c/postgres +
template1	postgres	UTF8	libc	English_India.1252	English_India.1252			postgres=CTc/postgres
test	postgres	UTF8	libc	English_India.1252	English_India.1252			=c/postgres +
								postgres=CTc/postgres

(7 rows)

```
demodb=# drop database test;
DROP DATABASE
demodb=# \l
```

List of databases								
Name	Owner	Encoding	Locale Provider	Collate	Ctype	Locale	ICU Rules	Access privileges
demodb	postgres	UTF8	libc	English_India.1252	English_India.1252			
postgres	postgres	UTF8	libc	English_India.1252	English_India.1252			
python	postgres	UTF8	libc	English_India.1252	English_India.1252			
student	postgres	UTF8	libc	English_India.1252	English_India.1252			
template0	postgres	UTF8	libc	English_India.1252	English_India.1252			=c/postgres +
template1	postgres	UTF8	libc	English_India.1252	English_India.1252			postgres=CTc/postgres
								=c/postgres +
								postgres=CTc/postgres

(6 rows)

```
demodb=#
```


student=#

```
SQL Shell (psql) x + v
public | students | table | postgres
(2 rows)

student=# SELECT * FROM student;
 name | number | age
-----+-----+-----
 Sam  |      12 |  20
 jack |      18 |  50
(2 rows)

student=# SELECT * FROM student ;
 name | number | age
-----+-----+-----
 Sam  |      12 |  20
 jack |      18 |  50
(2 rows)

student=# SELECT * FROM student where number=12;
 name | number | age
-----+-----+-----
 Sam  |      12 |  20
(1 row)

student=# SELECT * FROM student where age=20;
 name | number | age
-----+-----+-----
 Sam  |      12 |  20
(1 row)

student=# SELECT numberFROM student where age=20;
ERROR:  column "numberfrom" does not exist
LINE 1: SELECT numberFROM student where age=20;
                  ^
student=# SELECT number FROM student where age=20;
 number
-----
      12
(1 row)

student=#
```

```
student=# SELECT numberFROM student where age=20;
ERROR: column "numberfrom" does not exist
LINE 1: SELECT numberFROM student where age=20;
               ^

student=# SELECT number FROM student where age=20;
 number
-----
      12
(1 row)
```

```
student=# \d
      List of relations
Schema | Name   | Type  | Owner
-----+-----+-----+-----
public | student | table | postgres
public | students | table | postgres
(2 rows)
```

```
student=# TRUNCATE TABLE students;
student=# TRUNCATE TABLE students;
ERROR: syntax error at or near ":"
LINE 1: TRUNCATE TABLE students:
                        ^
```

```
student=# TRUNCATE TABLE students;
TRUNCATE TABLE
student=# \d
      List of relations
Schema | Name   | Type  | Owner
-----+-----+-----+-----
public | student | table | postgres
public | students | table | postgres
(2 rows)
```

```
student=# SELECT * FROM student ;
 name | number | age
-----+-----+-----
 Sam  |      12 |   20
 jack |      18 |   50
(2 rows)
```

```
student=# |
```


File Edit Selection View Go Run Terminal Help visual_studio

EXPLORER

OPEN EDITORS

- Welcome
- test.py 1

VISUAL STUDIO

- venv
- test.py 1

test.py > ...

```
1 import psycopg2
2 def table():
3     conn = psycopg2.connect(dbname="postgres",user="postgres",password="kavish",host="localhost",port="5432")
4
5     cursor = conn.cursor()
6     cursor.execute('create table employees(Name text, ID int, Age int);')
7     print('Table created successfully')
8
9     conn.commit()
10    conn.close()
11
12 def data():
13     conn = psycopg2.connect(dbname="postgres",user="postgres",password="kavish",host="localhost",port="5432")
14
15     cursor = conn.cursor()
16
17     name = input('enter name:')
18     id = int(input('enter id:'))
19     age = int(input('enter age:'))
20     query = 'insert into employees(Name,ID,Age) values(%s,%s,%s);'
21     cursor.execute(query,(name,id,age))
22     print('Data added successfully')
23
24     conn.commit()
25     conn.close()
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE

PS C:\Users\acer\OneDrive\Desktop\visual_studio> python test.py
enter name:kavish
enter id:23
enter age:23
Data added successfully
PS C:\Users\acer\OneDrive\Desktop\visual_studio>

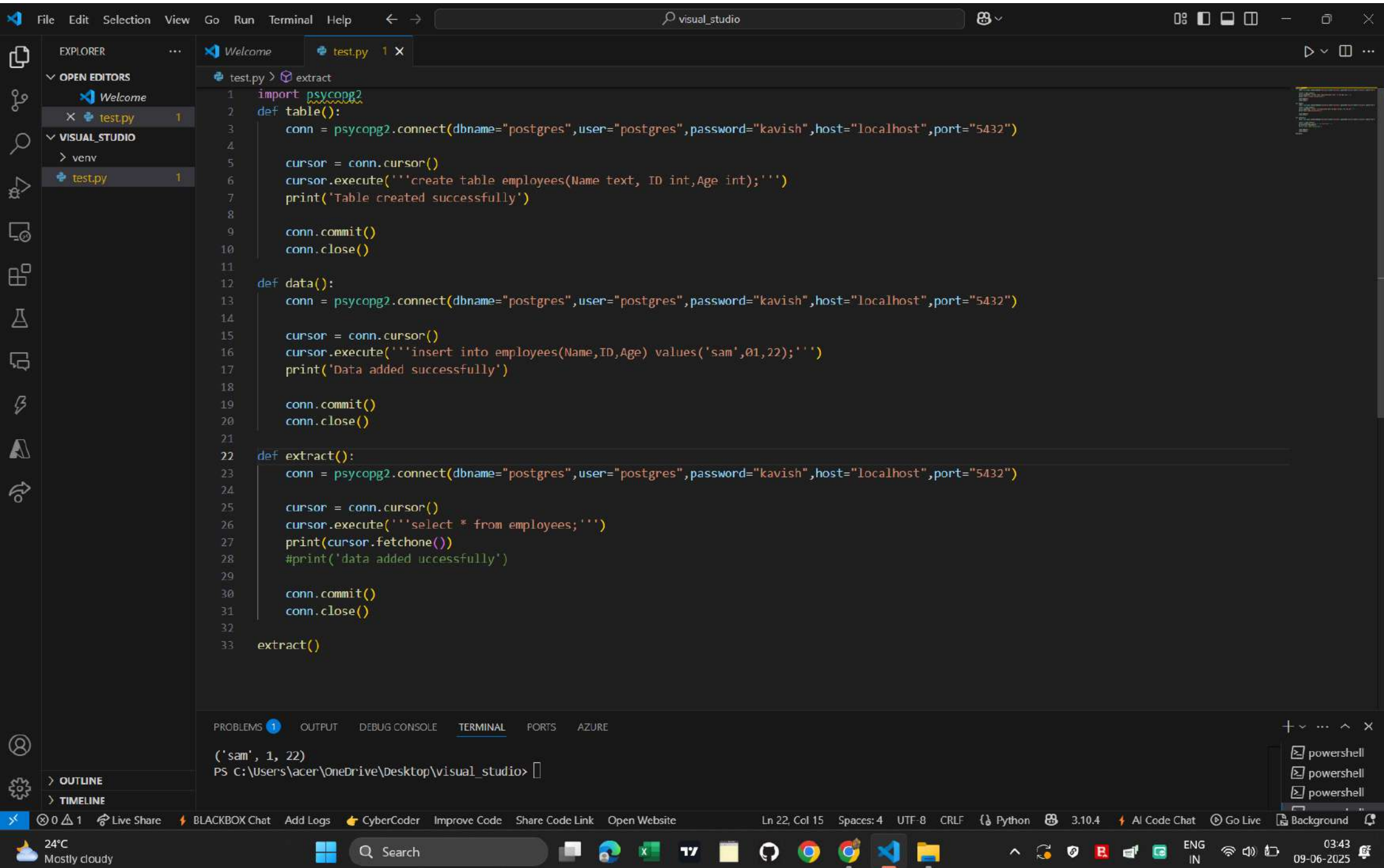
powerShell
powerShell
powerShell

OUTLINE
TIMELINE

0 1 Live Share BLACKBOX Chat Add Logs CyberCoder Improve Code Share Code Link Open Website Ln 26, Col 6 Spaces: 4 UTF-8 CRLF Python 3.10.4 AI Code Chat Go Live Background

24°C Mostly cloudy Search

03:42 09-06-2025




```
Microsoft Windows [Version 10.0.22631.5189]
(c) Microsoft Corporation. All rights reserved.

C:\Users\acer>cd OneDrive

C:\Users\acer\OneDrive>cd Desktop

C:\Users\acer\OneDrive\Desktop>cd visual_studio
The system cannot find the path specified.

C:\Users\acer\OneDrive\Desktop>cd visual_studio

C:\Users\acer\OneDrive\Desktop\visual_studio>cd venv

C:\Users\acer\OneDrive\Desktop\visual_studio\venv>cd scripts

C:\Users\acer\OneDrive\Desktop\visual_studio\venv\Scripts>activate

(venv) C:\Users\acer\OneDrive\Desktop\visual_studio\venv\Scripts>cd..

(venv) C:\Users\acer\OneDrive\Desktop\visual_studio\venv>cd..

(venv) C:\Users\acer\OneDrive\Desktop\visual_studio>python test.py
('sam', 1, 22)

(venv) C:\Users\acer\OneDrive\Desktop\visual_studio>
```

