

```

SQL Shell (psql)  X + 
Server [localhost]: Database [postgres]: Port [5432]: Username [postgres]: Password for user postgres:
psql (18.1)
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=# \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 |  |  | 
student | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
studentdb | 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 |  |  | 
(6 rows)

postgres=# create database student_db;
ERROR: syntax error at or near "database"
LINE 1: create database student_db;
           ^
postgres=# create database student_db;
CREATE DATABASE
postgres=# \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 |  |  | 
student | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
student_db | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
studentdb | 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 |  |  | 
(7 rows)

postgres=# create database studentdb;
ERROR: database "studentdb" already exists
postgres=# \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 |  |  | 
student | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
student_db | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
studentdb | 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 |  |  | 
(7 rows)

postgres=# drop database studentdb;
DROP DATABASE
postgres=# \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 |  |  | 
student | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
student_db | postgres | UTF8 | libc | English_India.1252 | English_India.1252 |  |  | 
studentdb | 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 |  |  | 
(6 rows)

postgres=# \c student_db
You are now connected to database "student_db" as user "postgres".
student_db# create table student(name text, num int, age int);
CREATE TABLE
student_db# \d
      List of relations
 Schema | Name | Type | Owner
---+---+---+---+
 public | student | table | postgres
(1 row)

student_db# insert into students(name,no,age) values('suhani',12,21);
ERROR: relation "students" does not exist
LINE 1: insert into students(name,no,age) values('suhani',12,21);
           ^
student_db# insert into student(name,no,age) values('suhani',12,21);

BSE midcap +1.23%  Search ENG IN 01:58 PM 14-12-2025

```

```
SQL Shell (psql) + 01:58 PM 14-12-2025 ENG IN

student_db=# insert into student(name,no,age) values('suhani',12,21);
ERROR: column "no" of relation "student" does not exist
LINE 1: insert into student(name,no,age) values('suhani',12,21);

student_db=# insert into student(name,num,age) values('suhani',12,21);
INSERT 0 1
student_db=# insert into student(name,num,age) values('foram',11,20);
INSERT 0 1
student_db=# select * from student;
   name | num | age
-----+
  suhani |  12 |  21
  foram  |  11 |  20
(2 rows)

student_db=# select name from student;
      name
-----
  suhani
  foram
(2 rows)

student_db=# select * from student where age=21;
   name | num | age
-----+
  suhani |  12 |  21
(1 row)

student_db=# truncate table student;
ERROR: syntax error at or near "truncate"
LINE 1: truncate table student;

BSE smicap +0.65%
```

```
SQL Shell (psql) + 01:59 PM 14-12-2025 ENG IN

student_db=# select * from student where age=21;
   name | num | age
-----+
  suhani |  12 |  21
(1 row)

student_db=# truncate table student;
ERROR: syntax error at or near "truncate"
LINE 1: truncate table student;
          ^
student_db=# truncate table student;
TRUNCATE TABLE
student_db=# \d
      List of relations
 Schema | Name | Type | Owner
-----+
  public | student | table | postgres
(1 row)

student_db=# select * from student;
   name | num | age
-----+
(0 rows)

student_db=|
```

```
Command Prompt + 03:05 PM 14-12-2025 ENG IN

Microsoft Windows [Version 10.0.26200.7171]
(c) Microsoft Corporation. All rights reserved.

C:\Users\pc>cd downloads
C:\Users\pc\Downloads>cd New folder(2)
The system cannot find the path specified.

C:\Users\pc\Downloads>cd C:\Users\pc\Downloads\New folder (2)

C:\Users\pc\Downloads\New folder (2)>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\pc\appdata\local\programs\python\python310\lib\site-packages (20.35.4)
Requirement already satisfied: typing-extensions>=4.13.2 in c:\users\pc\appdata\local\programs\python\python310\lib\site-packages (from virtualenv)
(4.15.0)
Requirement already satisfied: distlib<1,>=0.3.7 in c:\users\pc\appdata\local\programs\python\python310\lib\site-packages (from virtualenv) (0.4.0)
Requirement already satisfied: platformdirs<5,>=3.9.1 in c:\users\pc\appdata\local\programs\python\python310\lib\site-packages (from virtualenv) (4.5.1)
Requirement already satisfied: filelock<4,>=3.12.2 in c:\users\pc\appdata\local\programs\python\python310\lib\site-packages (from virtualenv) (3.20.0)
WARNING: You are using pip version 21.2.3; however, version 28.3 is available.
You should consider upgrading via the 'C:\Users\pc\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.

C:\Users\pc\Downloads\New folder (2)>virtualenv env
created virtual environment CPython3.10.0.final.0-64 in 1011ms
  creator CPython3Windows(dest=C:\Users\pc\Downloads\New folder (2)\env, clear=False, no_vcs_ignore=False, global=False)
  seeder FromAppData(download=False, pip=pip, setuptools=setuptools, via=copy, app_data_dir=C:\Users\pc\AppData\Local\pypa\virtualenv)
    added seed packages: pip==25.3, setuptools==88.9.0
  activators BashActivator,BatchActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator

C:\Users\pc\Downloads\New folder (2)>cd env
C:\Users\pc\Downloads\New folder (2)\env>cd scripts
C:\Users\pc\Downloads\New folder (2)\env\Scripts>activate
```

```
(env) C:\Users\pc\Downloads\New folder (2)\env>cd..  
(env) C:\Users\pc\Downloads\New folder (2)>python test.py  
File "C:\Users\pc\Downloads\New folder (2)\test.py", line 2  
    connect = psycopg2.connect(dbname="postgres", user="postgres".password="Suhani2004@",host="localhost",port="5432")  
                                         ^  
SyntaxError: invalid syntax  
(env) C:\Users\pc\Downloads\New folder (2)>python test.py  
Traceback (most recent call last):  
  File "C:\Users\pc\Downloads\New folder (2)\test.py", line 1, in <module>  
    import psycopg2  
ModuleNotFoundError: No module named 'psycopg2'  
(env) C:\Users\pc\Downloads\New folder (2)>python test.py  
Traceback (most recent call last):  
  File "C:\Users\pc\Downloads\New folder (2)\test.py", line 1, in <module>  

```

```
import psycopg2  
ModuleNotFoundError: No module named 'psycopg2'  
(env) C:\Users\pc\Downloads\New folder (2)>python test.py  
Traceback (most recent call last):  
  File "C:\Users\pc\Downloads\New folder (2)\test.py", line 1, in <module>  
    import psycopg2 # type: ignore  
ModuleNotFoundError: No module named 'psycopg2'  
(env) C:\Users\pc\Downloads\New folder (2)>pip install psycopg2-binary  
Collecting psycopg2-binary  
  Downloading psycopg2_binary-2.9.11-cp310-cp310-win_amd64.whl.metadata (5.1 kB)  
  Downloading psycopg2_binary-2.9.11-cp310-cp310-win_amd64.whl (2.7 MB)  
           2.7/2.7 MB 4.1 MB/s 0:00:00  
Installing collected packages: psycopg2-binary  
Successfully installed psycopg2-binary-2.9.11  
(env) C:\Users\pc\Downloads\New folder (2)>pip show psycopg2-binary  
Name: psycopg2-binary  
Version: 2.9.11  
Summary: psycopg2 - Python-PostgreSQL Database Adapter  
Home-page: https://psycopg.org/  
Author: Federico Di Gregorio  
Author-email: fog@initd.org  
License: LGPL with exceptions  
Location: c:\users\pc\downloads\new folder (2)\env\lib\site-packages  
Requires:  
Required-by:  
(env) C:\Users\pc\Downloads\New folder (2)>python test.py  
Connected successfully!  
(env) C:\Users\pc\Downloads\New folder (2)>
```

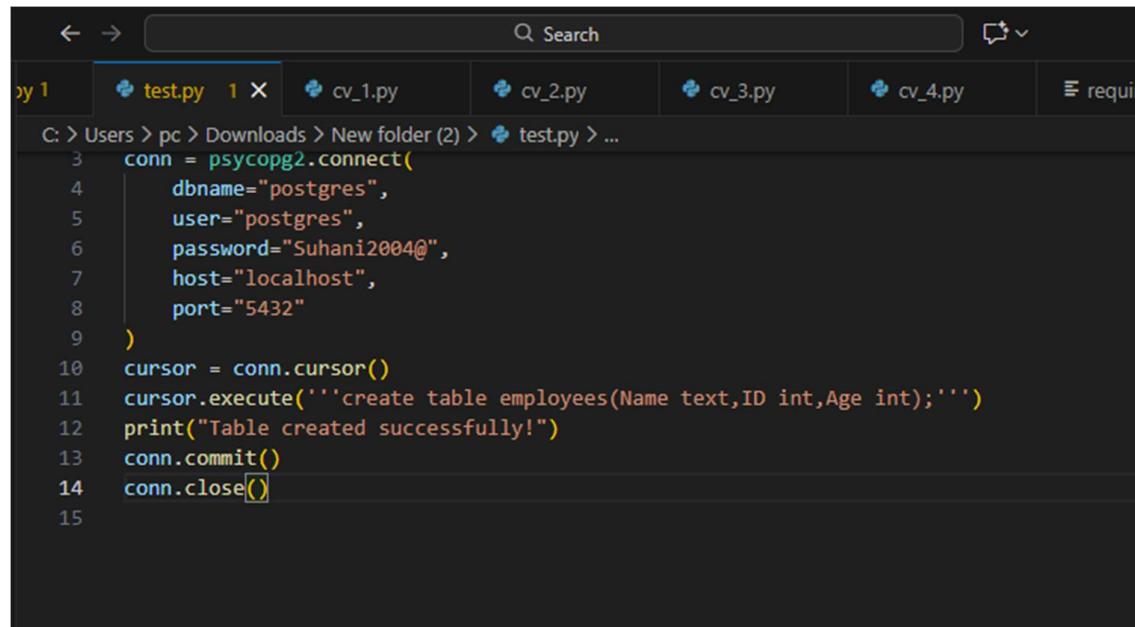
Test.py

```
C: > Users > pc > Downloads > New folder (2) > test.py > ...  
1  import psycopg2  
2  connect = psycopg2.connect(dbname="postgres",  
3  user="postgres",  
4  password="Suhani2004@",  
5  host="localhost",  
6  port="5432")  
7  
8  print("connected sucessfully")
```

```
(env) C:\Users\pc\Downloads\New folder (2)>python test.py
Connected successfully!
```

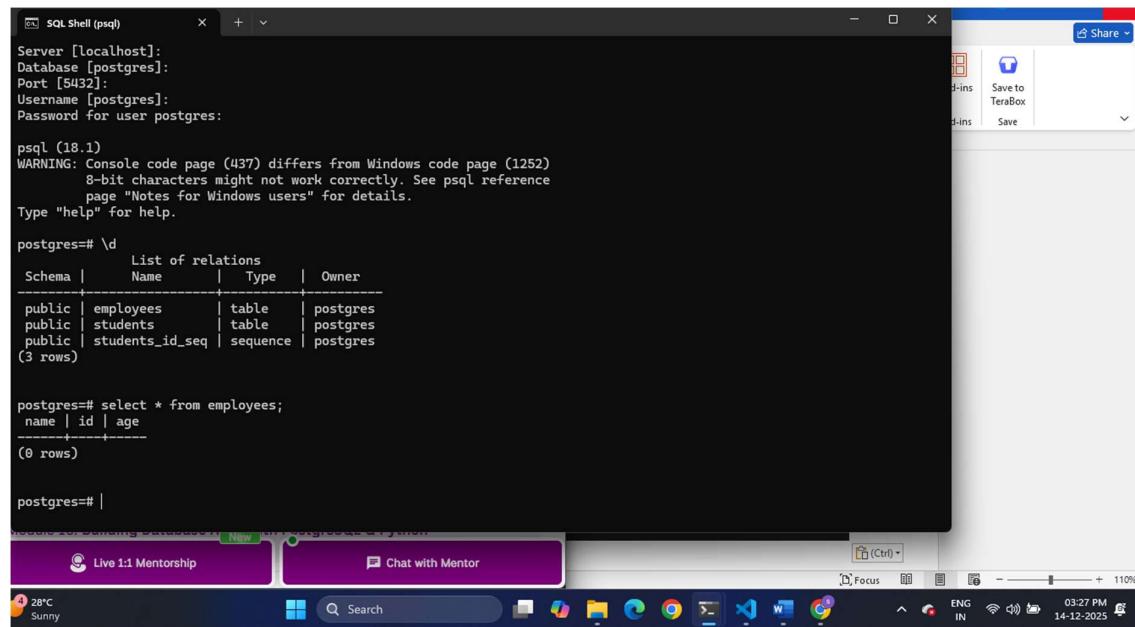
```
(env) C:\Users\pc\Downloads\New folder (2)>python test.py
Table created successfully!
```

```
(env) C:\Users\pc\Downloads\New folder (2)>
```



```
test.py 1 X cv_1.py cv_2.py cv_3.py cv_4.py require

C: > Users > pc > Downloads > New folder (2) > test.py > ...
3 conn = psycopg2.connect(
4     dbname="postgres",
5     user="postgres",
6     password="Suhani2004@",
7     host="localhost",
8     port="5432"
9 )
10 cursor = conn.cursor()
11 cursor.execute('''create table employees(Name text, ID int, Age int);''')
12 print("Table created successfully!")
13 conn.commit()
14 conn.close()
```



```
SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
Password for user postgres:

psql (18.1)
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=# \d
              List of relations
 Schema |   Name    | Type  | Owner
-----+-----+-----+-----+
 public | employees | table | postgres
 public | students  | table | postgres
 public | students_id_seq | sequence | postgres
(3 rows)

postgres=# select * from employees;
 name | id | age
-----+---+---
(0 rows)

postgres=#

```

