

Assignment – 2

```
SQL Shell (psql)
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=# |
```

```
SQL Shell (psql)
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 sample;
CREATE DATABASE
postgres=#
```

Assignment – 2

```
SQL Shell (psql)
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=# drop database sample;
DROP DATABASE
postgres=#
```

```
SQL Shell (psql)
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 table student;
ERROR:  syntax error at or near ";"
LINE 1: create table student;
                        ^

postgres=# create table student(id int,name text,age int);
CREATE TABLE
postgres=# insert into student(id,name,age) VALUES(1,'sam',15);
INSERT 0 1
postgres=# insert into student(id,name,age) VALUES(6,'diya',17);
INSERT 0 1
postgres=# insert into student(id,name,age) VALUES(4,'deep',16);
INSERT 0 1
```

Assignment – 2

```
SQL Shell (psql)
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=# select * from student;
 id | name | age
----+-----+----
  1 | sam  |  15
  6 | diya |  17
  4 | deep |  16
(3 rows)

postgres=# TRUNCATE table student;
TRUNCATE TABLE
postgres=# select * from student;
 id | name | age
----+-----+----
(0 rows)

postgres=#
```

```
C:\WINDOWS\system32\cmd.
Microsoft Windows [Version 10.0.26100.4484]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dhruv>cd Desktop
C:\Users\dhruv\Desktop>cd visual studio
C:\Users\dhruv\Desktop\visual studio>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\dhruv\appdata\local\programs\python\python313\lib\site-packages (2
0.31.2)
Requirement already satisfied: distlib<1,>=0.3.7 in c:\users\dhruv\appdata\local\programs\python\python313\lib\site-pack
ages (from virtualenv) (0.3.9)
Requirement already satisfied: filelock<4,>=3.12.2 in c:\users\dhruv\appdata\local\programs\python\python313\lib\site-pa
ckages (from virtualenv) (3.18.0)
Requirement already satisfied: platformdirs<5,>=3.9.1 in c:\users\dhruv\appdata\local\programs\python\python313\lib\site
-packages (from virtualenv) (4.3.8)

[notice] A new release of pip is available: 25.0.1 -> 25.1.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\dhruv\Desktop\visual studio>
```

Assignment – 2

```
C:\WINDOWS\system32\cmd. x + v
C:\Users\dhruv\Desktop\visual studio>pip install psycpg2
Requirement already satisfied: psycpg2 in c:\users\dhruv\appdata\local\programs\python\python313\lib\site-packages (2.9.10)

[notice] A new release of pip is available: 25.0.1 -> 25.1.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\dhruv\Desktop\visual studio>
```

```
C:\WINDOWS\system32\cmd. x + v
Microsoft Windows [Version 10.0.26100.4484]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dhruv>cd Desktop
C:\Users\dhruv\Desktop>cd visual studio
C:\Users\dhruv\Desktop\visual studio>cd env
C:\Users\dhruv\Desktop\visual studio\env>cd scripts
C:\Users\dhruv\Desktop\visual studio\env\Scripts>activate
(env) C:\Users\dhruv\Desktop\visual studio\env\Scripts>cd..
(env) C:\Users\dhruv\Desktop\visual studio\env>cd..
(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
connected successfully
(env) C:\Users\dhruv\Desktop\visual studio>
```

Assignment – 2

```
5 cursor.execute("""create table employees(Name Text,ID int,Age int):""")

C:\WINDOWS\system32\cmd. x + v
Microsoft Windows [Version 10.0.26100.4484]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dhruv>cd Desktop

C:\Users\dhruv\Desktop>cd visual studio

C:\Users\dhruv\Desktop\visual studio>cd env

C:\Users\dhruv\Desktop\visual studio\env>cd scripts

C:\Users\dhruv\Desktop\visual studio\env\Scripts>activate

(env) C:\Users\dhruv\Desktop\visual studio\env\Scripts>cd..

(env) C:\Users\dhruv\Desktop\visual studio\env>cd..

(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
connected successfully

(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
Table created successfully

(env) C:\Users\dhruv\Desktop\visual studio>|
```

```
6 cursor.execute("""insert into employees(Name,Age,ID) values('dhruv',22,1)""")

C:\WINDOWS\system32\cmd. x + v
Microsoft Windows [Version 10.0.26100.4484]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dhruv>cd Desktop

C:\Users\dhruv\Desktop>cd visual studio

C:\Users\dhruv\Desktop\visual studio>cd env

C:\Users\dhruv\Desktop\visual studio\env>cd scripts

C:\Users\dhruv\Desktop\visual studio\env\Scripts>activate

(env) C:\Users\dhruv\Desktop\visual studio\env\Scripts>cd..

(env) C:\Users\dhruv\Desktop\visual studio\env>cd..

(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
connected successfully

(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
Table created successfully

(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
data added successfully

(env) C:\Users\dhruv\Desktop\visual studio>|
```

Assignment – 2

```
C:\WINDOWS\system32\cmd. x + v
(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
('john', 2, 25)
(env) C:\Users\dhruv\Desktop\visual studio>
```

```
C:\WINDOWS\system32\cmd. x + v
(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
('john', 2, 25)

(env) C:\Users\dhruv\Desktop\visual studio>python sample.py
Enter name:preet
Enter Id:4
Enter age:23
data added successfully

(env) C:\Users\dhruv\Desktop\visual studio>
```

Assignment – 2

```
SQL Shell (psql) × + v
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=# \d
              List of relations
 Schema |      Name      | Type  | Owner
-----+-----+-----+-----
 public | employees2     | table | postgres
 public | student        | table | postgres
(2 rows)

postgres=# select * from employees2;
 name | id | age
-----+---+----
 john |  2 |  25
 preet |  4 |  23
(2 rows)

postgres=#
```