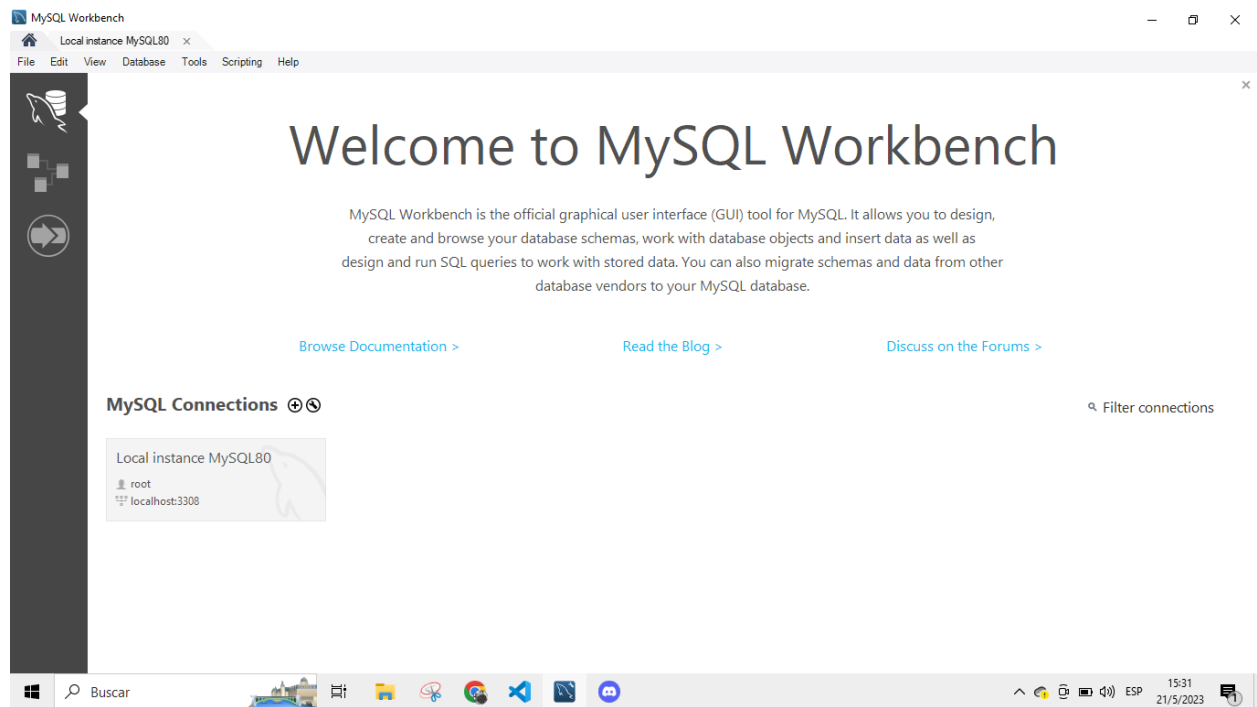


Proyecto Integrador Entrega N° 3:

- Creación de la Base de datos

abrimos Mysql Workbench



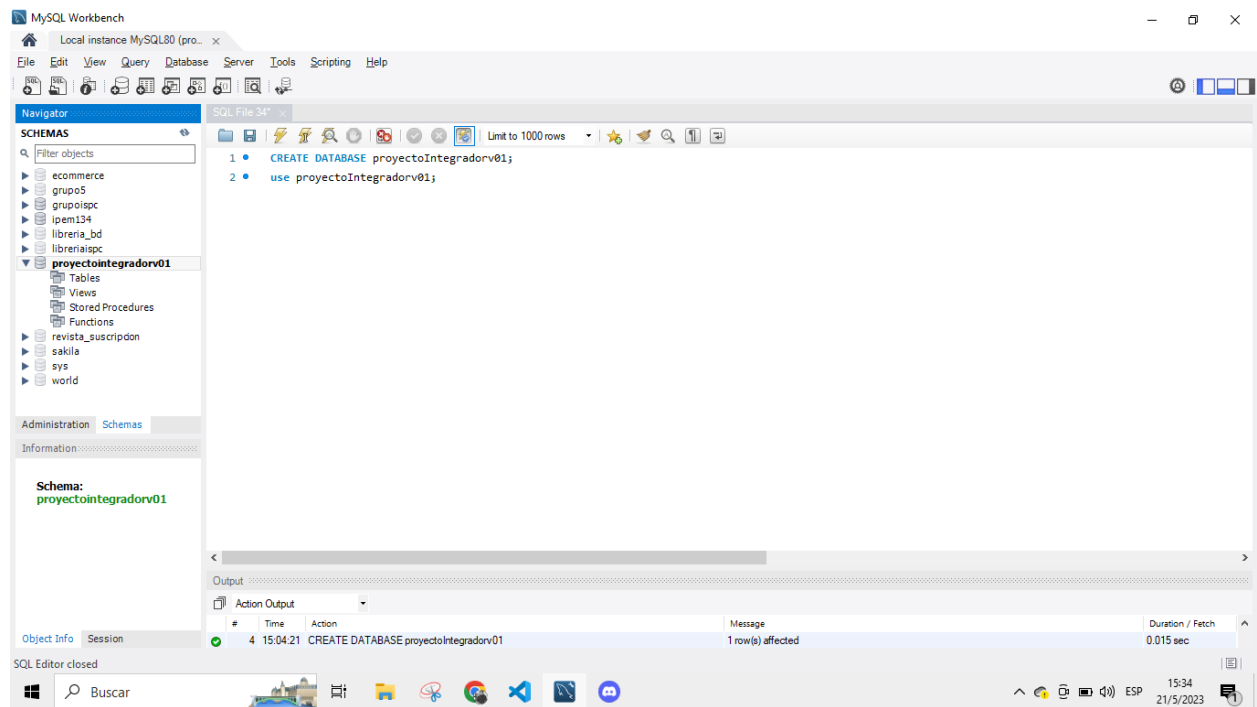
abrimos Mysql Workbench

user="root"

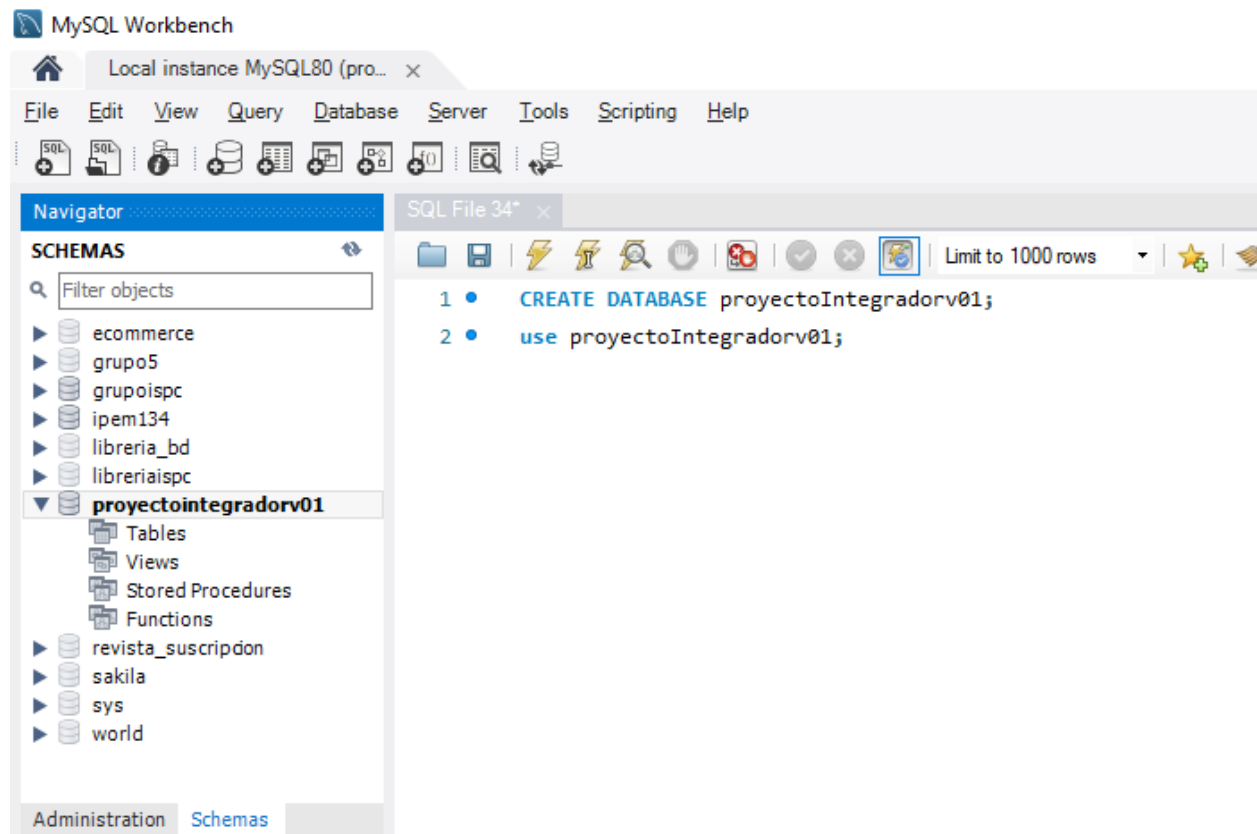
password="13231414"

host="localhost"

port=3308

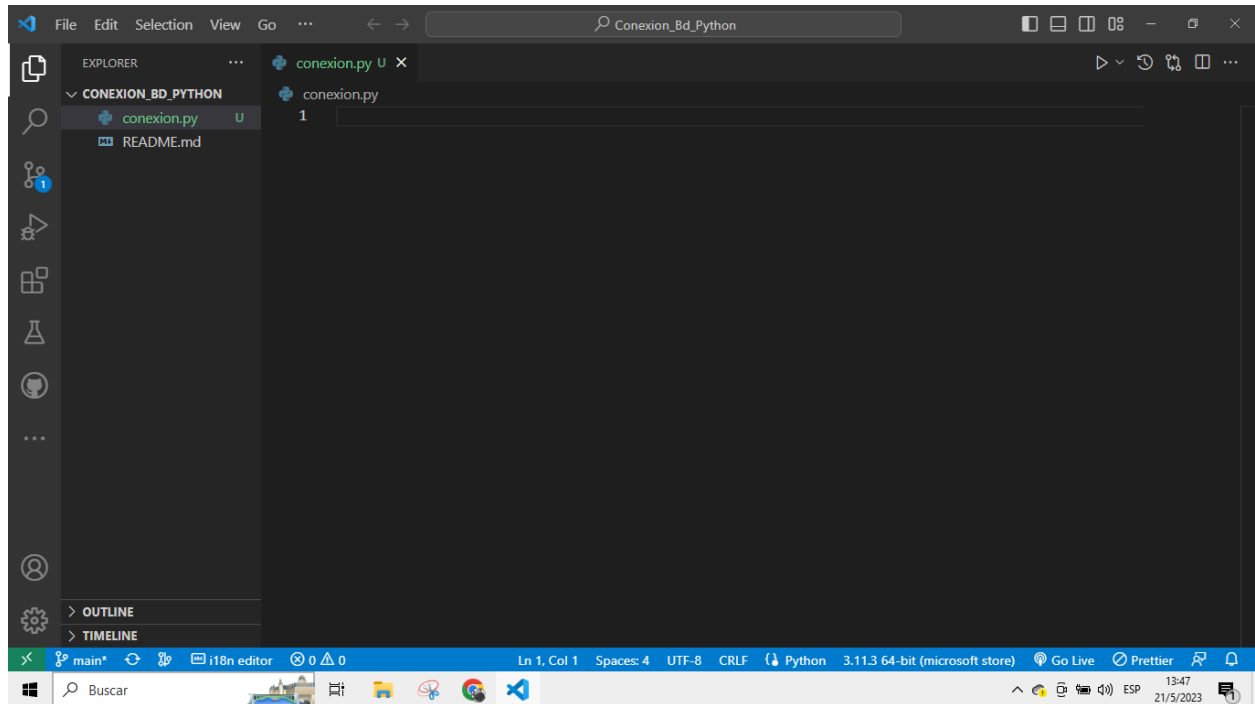


creo la base de datos y la selecciono

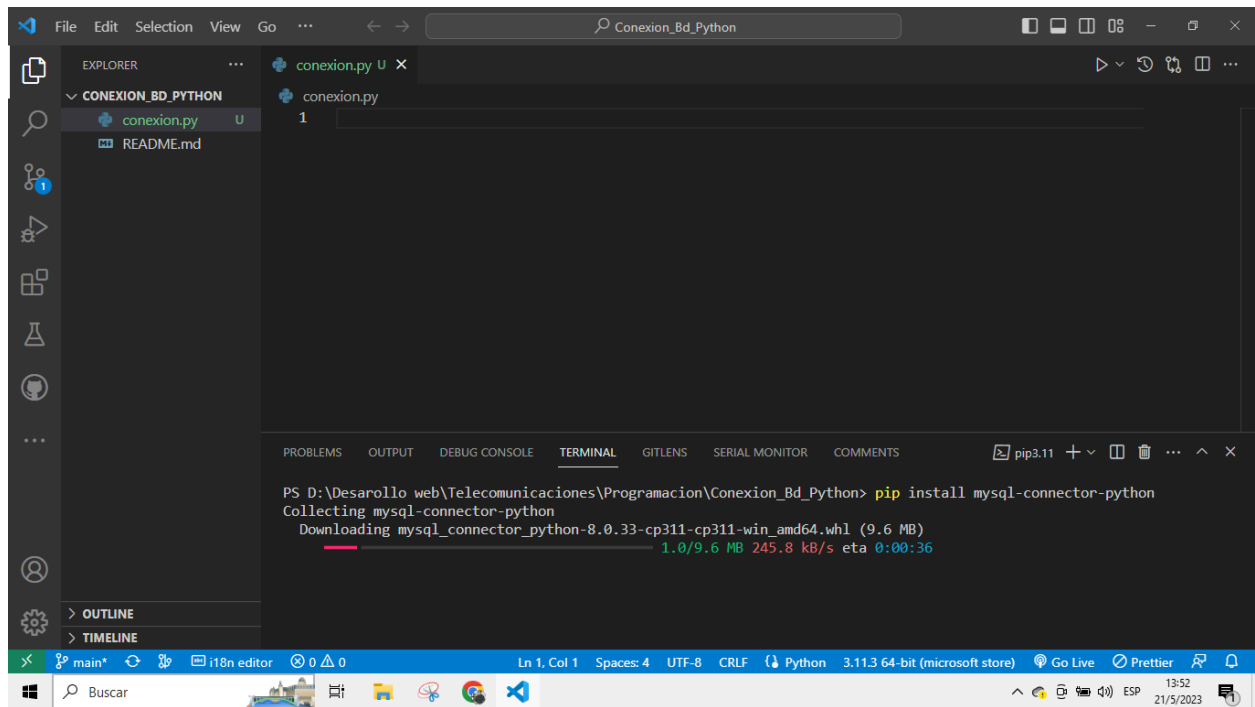


- Conexión desde Python

Crear un archivo **conexion.py** en vs

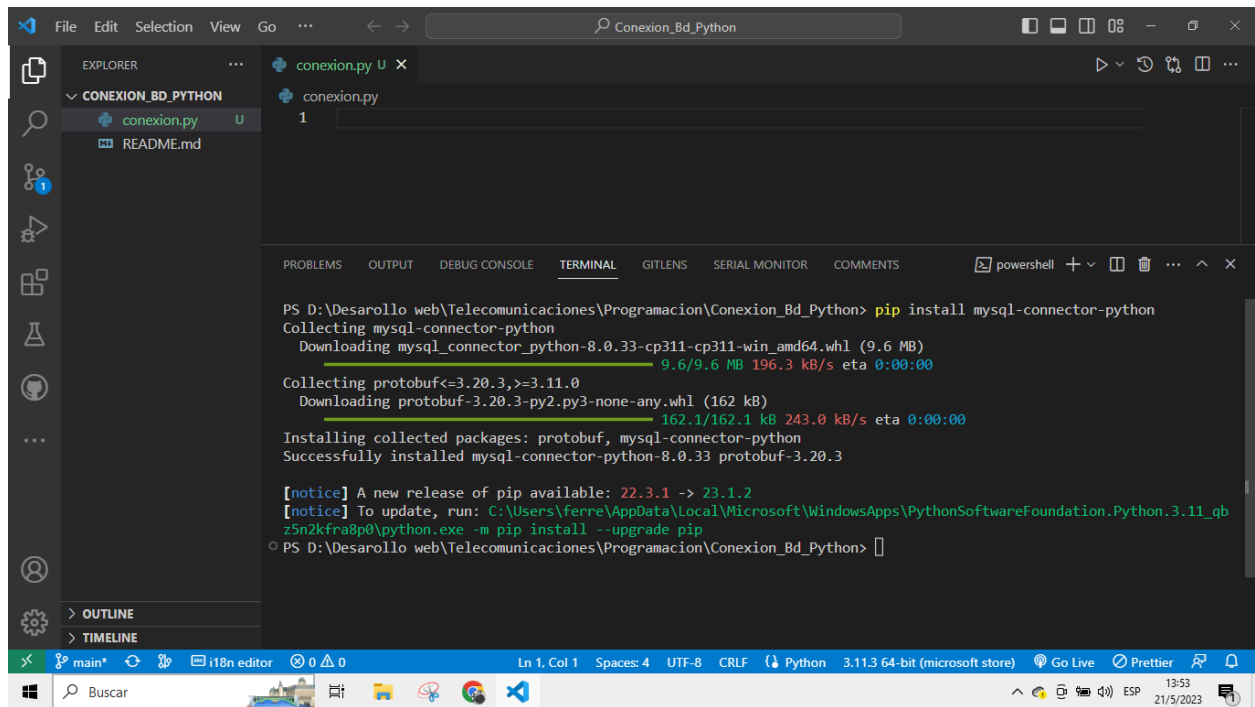


paso dos descargar el driver de la conexión MySQL con Python: Abro la terminal y digito la siguiente instrucción **`pip install mysql-connector-python`**



The screenshot shows the Visual Studio Code interface with a file explorer on the left showing a project named 'CONEXION_BD_PYTHON' containing 'conexion.py' and 'README.md'. The main editor displays 'conexion.py' with a single line of code. The terminal at the bottom shows the command 'pip install mysql-connector-python' being executed. The output indicates that the package is being collected and a specific wheel file is being downloaded at a rate of 245.8 kB/s.

```
PS D:\Desarrollo web\Telecomunicaciones\Programacion\Conexion_Bd_Python> pip install mysql-connector-python
Collecting mysql-connector-python
  Downloading mysql_connector_python-8.0.33-cp311-win_amd64.whl (9.6 MB)
    1.0/9.6 MB 245.8 kB/s eta 0:00:36
```

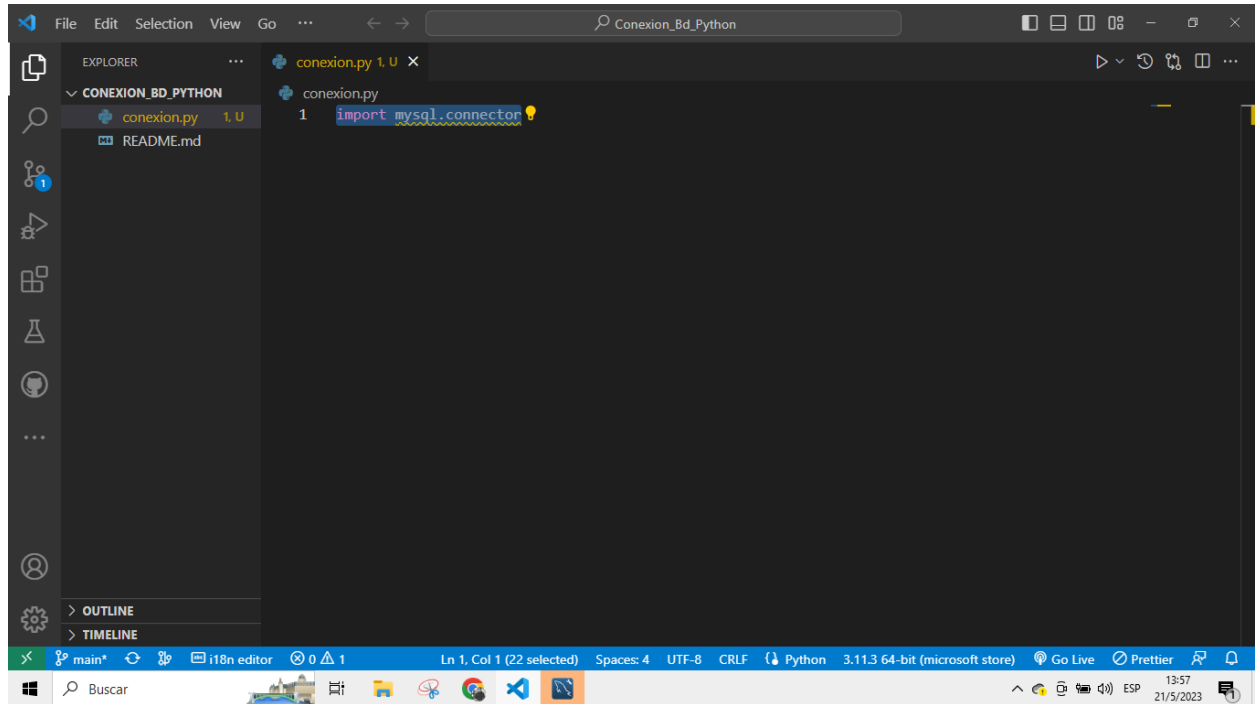


This screenshot shows the continuation of the terminal output from the previous state. The installation of 'mysql-connector-python' is complete, and 'protobuf' is also being installed. A notice from pip indicates that a new version (23.1.2) is available for the current version (22.3.1), suggesting an upgrade. The terminal shows the successful installation of both packages.

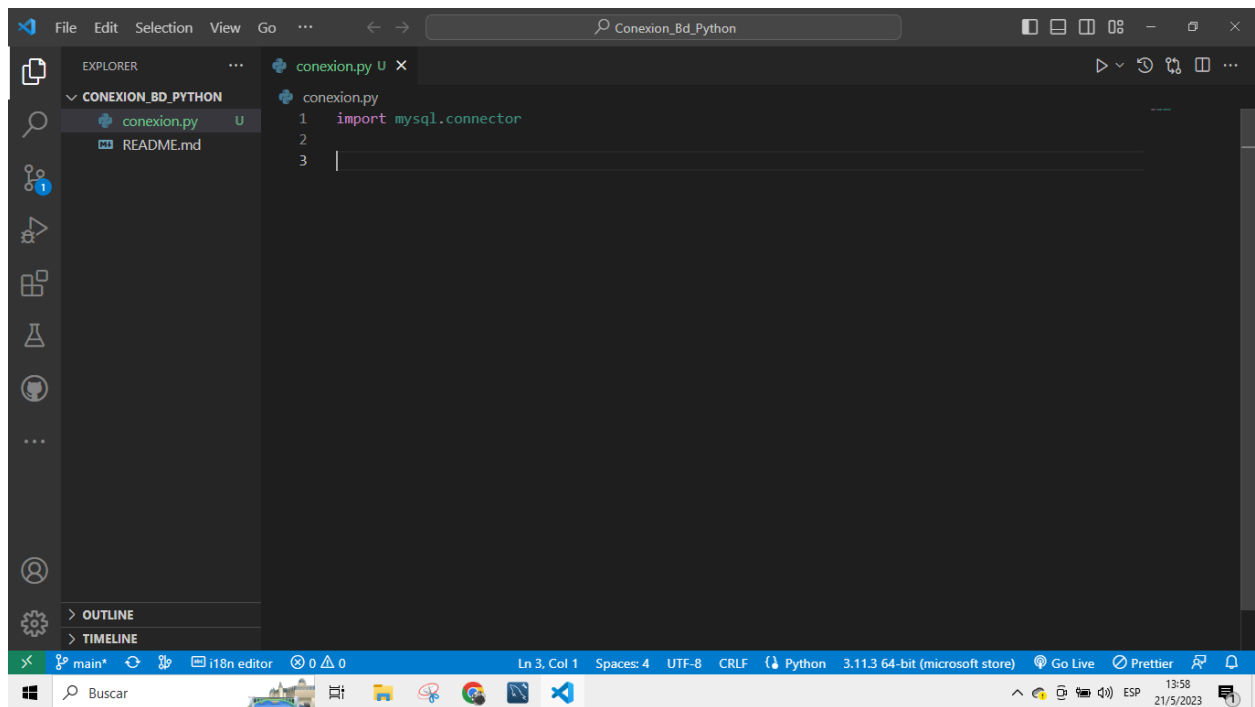
```
PS D:\Desarrollo web\Telecomunicaciones\Programacion\Conexion_Bd_Python> pip install mysql-connector-python
Collecting mysql-connector-python
  Downloading mysql_connector_python-8.0.33-cp311-win_amd64.whl (9.6 MB)
    9.6/9.6 MB 196.3 kB/s eta 0:00:00
Collecting protobuf<=3.20.3,>=3.11.0
  Downloading protobuf-3.20.3-py2.py3-none-any.whl (162 kB)
    162.1/162.1 kB 243.0 kB/s eta 0:00:00
Installing collected packages: protobuf, mysql-connector-python
Successfully installed mysql-connector-python-8.0.33 protobuf-3.20.3

[notice] A new release of pip available: 22.3.1 -> 23.1.2
[notice] To update, run: C:\Users\ferre\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python.3.11_qb
z5n2kfra8p0\python.exe -m pip install --upgrade pip
PS D:\Desarrollo web\Telecomunicaciones\Programacion\Conexion_Bd_Python>
```

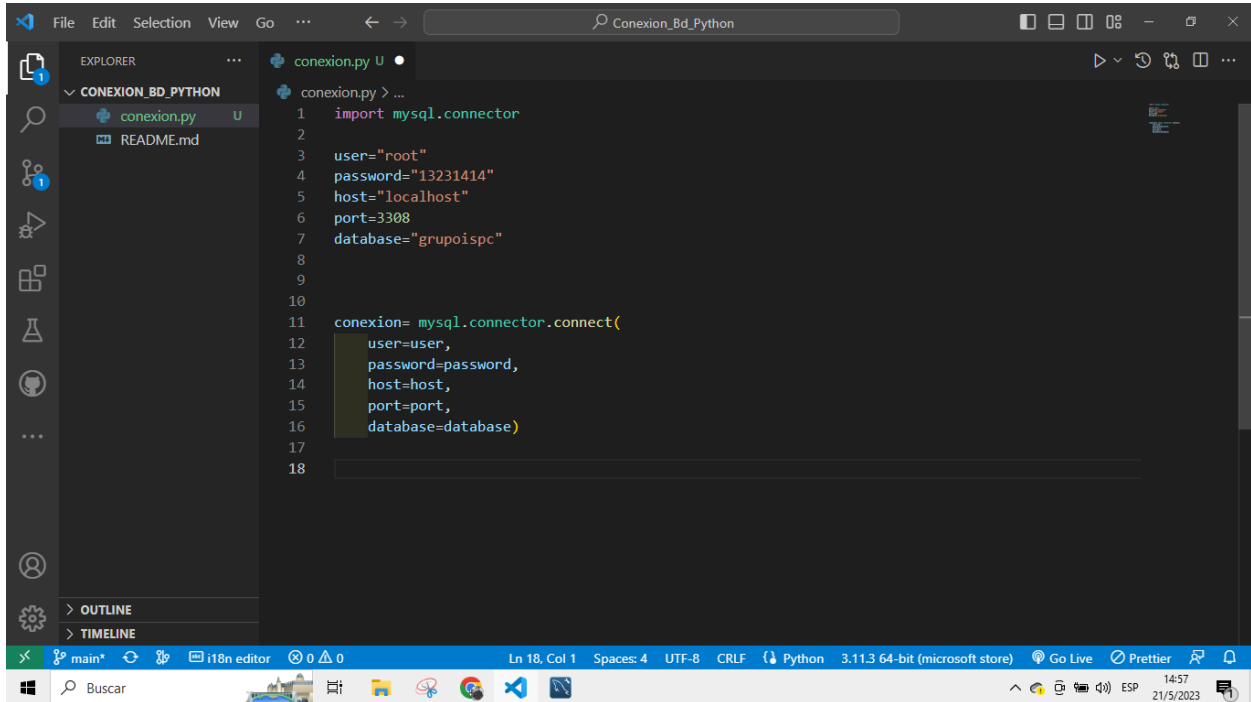
si el código presenta un error al hacer el `import mysql.connector`



solo hay que cerrar y volver abrir el Vs Code.



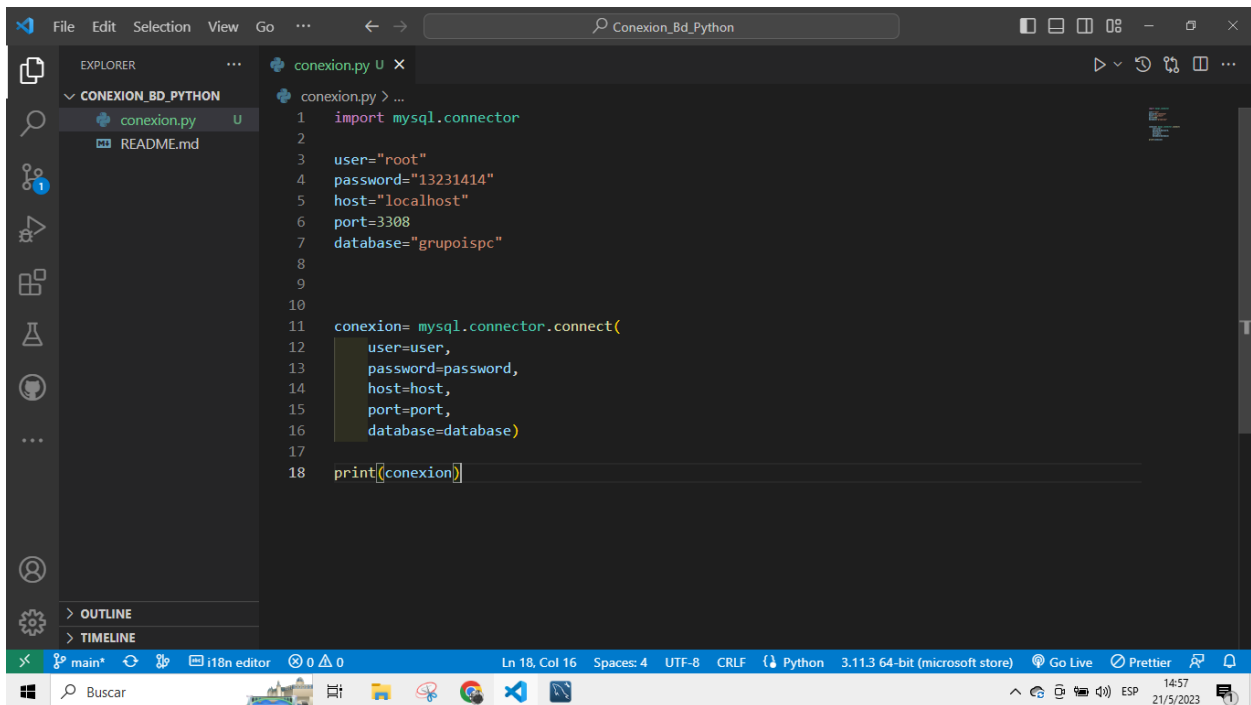
utilizamos una variable donde le decimos que haga la conexión a Mysql, para lograr establecer la conexión necesitamos entregar el usuario, el password y la base de datos a la que nos vamos a conectar.



```
1 import mysql.connector
2
3 user="root"
4 password="13231414"
5 host="localhost"
6 port=3308
7 database="grupoispc"
8
9
10
11 conexion= mysql.connector.connect(
12     user=user,
13     password=password,
14     host=host,
15     port=port,
16     database=database)
17
18
```

The screenshot shows the Visual Studio Code editor with a file named 'conexion.py' open. The code defines variables for user, password, host, port, and database, and then uses the 'mysql.connector.connect()' function to establish a connection. The Explorer sidebar shows a folder named 'CONEXION_BD_PYTHON' containing 'conexion.py' and 'README.md'. The status bar at the bottom indicates the file is at line 18, column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python interpreter is set to 'Python 3.11.3 64-bit (microsoft store)'.

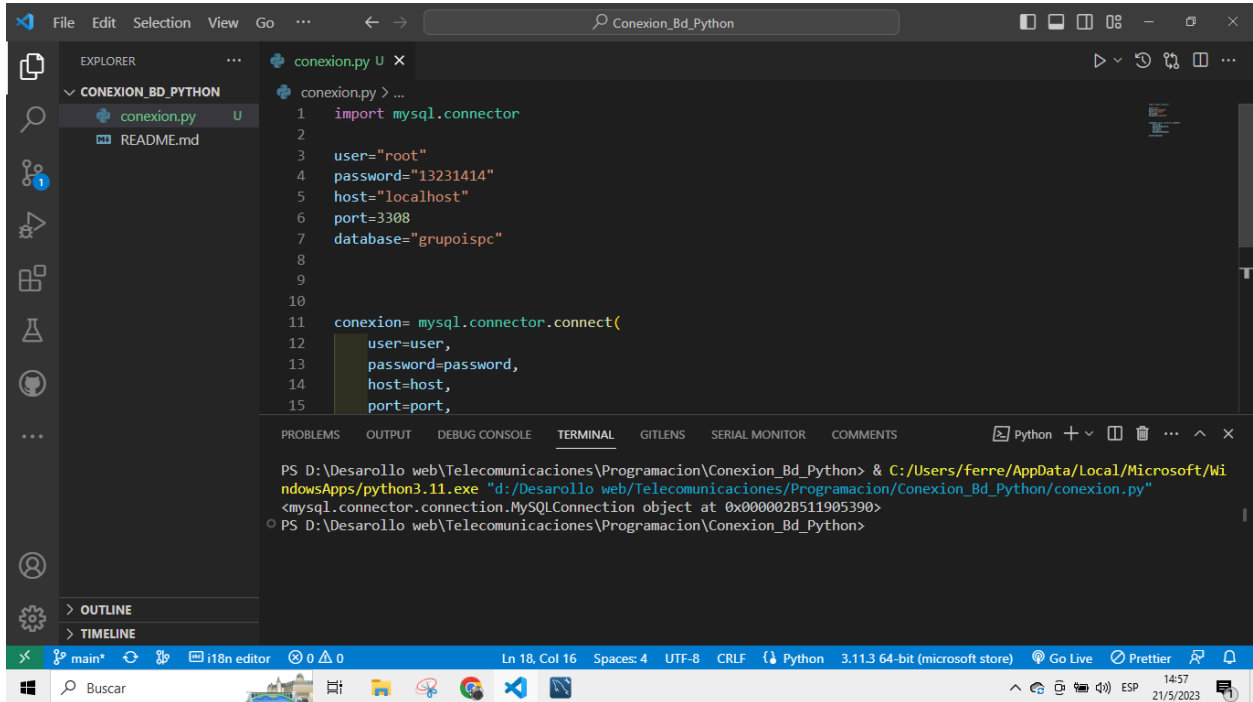
para verificar imprimo la coneccion



```
1 import mysql.connector
2
3 user="root"
4 password="13231414"
5 host="localhost"
6 port=3308
7 database="grupoispc"
8
9
10
11 conexion= mysql.connector.connect(
12     user=user,
13     password=password,
14     host=host,
15     port=port,
16     database=database)
17
18 print(conexion)
```

This screenshot is similar to the previous one, but with an additional line of code at line 18: 'print(conexion)'. This line is used to print the connection object to the console to verify that the connection was established successfully. The status bar now shows 'Ln 18, Col 16'.

al recibir este mensaje <mysql.connector.connection.MySQLConnection object at 0x000002B511905390>



The screenshot shows a Visual Studio Code editor window with a file named 'Conexion_Bd_Python'. The Explorer sidebar on the left shows a folder named 'CONEXION_BD_PYTHON' containing 'conexion.py' and 'README.md'. The main editor area displays the contents of 'conexion.py', which is a Python script for connecting to a MySQL database using the mysql.connector library. The script defines variables for user, password, host, port, and database, and then uses the connect() method to establish a connection.

```
1 import mysql.connector
2
3 user="root"
4 password="13231414"
5 host="localhost"
6 port=3308
7 database="grupoispc"
8
9
10
11 conexion= mysql.connector.connect(
12     user=user,
13     password=password,
14     host=host,
15     port=port,
```

The TERMINAL panel at the bottom shows the command prompt output. The command executed is: `PS D:\Desarrollo web\Telecomunicaciones\Programacion\Conexion_Bd_Python> & C:/Users/ferre/AppData/Local/Microsoft/WindowsApps/python3.11.exe "d:/Desarrollo web/Telecomunicaciones/Programacion/Conexion_Bd_Python/conexion.py"`. The output is: `<mysql.connector.connection.MySQLConnection object at 0x000002B511905390>`. The status bar at the bottom indicates the file is at line 18, column 16, using UTF-8 encoding and CRLF line endings, with Python 3.11.3 64-bit (microsoft store) as the interpreter.