```
Requirement already satisfied: pyodbc in c:\users\amand\anaconda3\lib\site-packages (5.0.1) Note: you may need to restart the kernel to use updated packages.
   [3]: import pyodbc
                    dados_conexao = (
    "Driver={SQL Server};"
                                    "Server=LAPTOP-G5NDVG86;
                                  "Database=ContosoRetailDW;"
                   conexao = pyodbc.connect(dados_conexao)
print ("Conexão Bem Sucedida")
                    Conexão Bem Sucedida
   [6]: #Criar um objeto curson
                    cursor = conexao.cursor()
                    #Comando SOL a executar
                    cursor.execute('SELECT*FROM dimProduct')
                     #Buscar todos os resultados
                     for row in cursor: print(row)
                    conexao.close()
                     (1, '0101001', 'Contoso 512MB MP3 Player E51 Silver', '512MB USB driver plays MP3 and WMA', 1, 'Contoso, Ltd', 'Contoso', '1', 'Economy', '1', 'Produc toll10101', '7', 'Silver', '2.2 x 1.8 x 4 ', ', ', ', '4.8, 'ounces', '1', 'linches', '1', 'High', Decimal('6.6200'), Decimal('12.9900'), datetime.datetime.loga 5 3 8 0 N None 'Non' None None 1 datetime.datetime.loga 5 5 3 6 0') None 'None 'None 1 datetime.loga 5 5 3 6 0') None 'None 'None 'None datetime.loga 5 5 3 6 0') None 'None '
   [7]: pip install matplotlib
                      Requirement already satisfied: matplotlib in c:\users\amand\anaconda3\lib\site-packages (3.8.0)Note: you may need to restart the kernel to use updated pa
                      ckages.
                     Requirement already satisfied: contourpy>=1.0.1 in c:\users\amand\anaconda3\lib\site-packages (from matplotlib) (1.2.0)
Requirement already satisfied: cycler>=0.10 in c:\users\amand\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\amand\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: kiwisolver>=1.01 in c:\users\amand\anaconda3\lib\site-packages (from matplotlib) (1.4.4)
Requirement already satisfied: numpy<2>=1.21 in c:\users\amand\anaconda3\lib\site-packages (from matplotlib) (1.26.4)
                     Requirement already satisfied: packagings=20.0 in c:\users\amand\anacondas\lib\site-packages (from matplotlib) (1.20.4)

Requirement already satisfied: packagings=20.0 in c:\users\amand\anacondas\lib\site-packages (from matplotlib) (10.2.1)

Requirement already satisfied: pillow>=6.2.0 in c:\users\amand\anacondas\lib\site-packages (from matplotlib) (10.2.0)

Requirement already satisfied: pyparsing>=2.3.1 in c:\users\amand\anacondas\lib\site-packages (from matplotlib) (3.0.9)

Requirement already satisfied: python-dateutil>=2.7 in c:\users\amand\anacondas\lib\site-packages (from matplotlib) (2.8.2)

Requirement already satisfied: python-dateutil>=1.7 in c:\users\amand\anacondas\lib\site-packages (from matplotlib) (1.16.0)
                                                                                                                                                                                                                                                                                                                                                                                                                               ⑥↑↓占早ⅰ
  [8]: pip install pandas
                     Requirement already satisfied: pandas in c:\users\amand\anaconda3\lib\site-packages (2.1.4)
Requirement already satisfied: numpyc2,>=1.23.2 in c:\users\amand\anaconda3\lib\site-packages (from pandas) (1.26.4)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\amand\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: pyt>=2020.1 in c:\users\amand\anaconda3\lib\site-packages (from pandas) (2023.3)
Requirement already satisfied: tzdata>=2022.1 in c:\users\amand\anaconda3\lib\site-packages (from pandas) (2023.3)
Requirement already satisfied: six>=1.5 in c:\users\amand\anaconda3\lib\site-packages (from pandas) (2023.3)
Note: you may need to restart the kernel to use updated packages.
                     import pyodbc
                     import pandas as pd
                      import matplotlib
                      dados_conexao = (
                                    "Driver={SQL Server};
                                  "Server=LAPTOP-G5NDVG86:
                    conexao = pyodbc.connect(dados_conexao)
print ("Conexão Bem Sucedida")
                     Conexão Bem Sucedida
[12]: #fazendo a leitura da tabela do SQL Server:
                                                                                                                                                                                                                                                                                                                                                                                                                                 ⑥↑↓齿♀▮
                     comando_sql = "SELECT ColorName, UnitPrice FROM DimProduct"
                     dados = pd.read_sql(comando_sql, conexao)
                    display(dados)
                   C:\Users\amand\AppData\Local\Temp\ipykernel_73308\2529733027.py:5: UserWarning: pandas only supports SQLAlchemy connectable (engine/connection) or databa se string URI or sqlite3 DBAPI2 connection. Other DBAPI2 objects are not tested. Please consider using SQLAlchemy.

dados = pd.read_sql(comando_sql, conexao)
                                       ColorName UnitPrice
                              0
                                                       Silver
                                                                                    12.99
                           1
                                                  Blue
                                                                                 12.99
                              2
                                                    Silver 21.57
```

[2]: pip install pyodbc





