

```

In [1]: !pip install pyodbc
Requirement already satisfied: pyodbc in e:\akanksha\documents\data_science\python_programs\lib\site-packages (5.1.0)
In [3]: import pyodbc as pd
In [6]: import pandas as pd
In [17]: server_name = "localhost\\SQLEXPRESS" # Note the double backslash
        database_name = "day"
connection_string = (
    f'Driver={{SQL Server}};'
    f'Server={server_name};'
    f'Database={database_name};'
    f'Trusted_Connection=yes;')

# Example: create connection
connection = pyodbc.connect(connection_string)
print("Connection successful!")

In [18]: cursor = connection.cursor()

query = "SELECT * FROM online_sales_data;" # change table name as needed

# Step 6: Execute the query
cursor.execute(query)

# Step 7: Fetch results
rows = cursor.fetchall()

# Step 8: Print results
print("----- Query Results -----")
for row in rows:
    print(row)

----- Query Results -----
(10001, '2024-01-01', 'Electronics', 'iPhone 14 Pro', 2, 999.999990234375, 1999.97998046875, 'North America', 'Credit Card')
(10002, '2024-01-02', 'Home Appliances', 'Dyson V11 Vacuum', 1, 499.999990234375, 499.999990234375, 'Europe', 'PayPal')
(10003, '2024-01-03', 'Clothing', 'Gucci Silk Scarf', 1, 129.99000549316406, 129.99000549316406, 'Asia', 'Debit Card')
(10004, '2024-01-04', 'Electronics', 'Samsung Galaxy S24', 1, 15.9999990234375, 15.9999990234375, 'North America', 'Credit Card')
(10005, '2024-01-05', 'Beauty Products', 'Neutrogena Skincare Set', 1, 89.99999786376953, 89.99999786376953, 'Europe', 'PayPal')
(10006, '2024-01-06', 'Sports', 'Wiltzes Evolution Basketball', 25, 99.9999969482422, 'Asia', 'Credit Card')
(10007, '2024-01-07', 'Electronics', 'MacBook Pro 16-inch', 1, 2499.999990234375, 2499.999990234375, 'North America', 'Credit Card')
(10008, '2024-01-08', 'Home Appliances', 'Breville Smart Classic 4-Slice Toaster', 1, 49.999990234375, 'Europe', 'PayPal')
(10009, '2024-01-09', 'Books', 'Dune' by Frank Herbert', 2, 25.99999977118164, 53.979995422363, 'North America', 'Credit Card')
(10010, '2024-01-10', 'Clothing', 'Nike Air Force 1 Mid', 1, 89.99999786376953, 89.99999786376953, 'Europe', 'PayPal')
(10011, '2024-01-11', 'Beauty Products', 'Chanel No. 5 Perfume', 1, 128.99000549316406, 128.99000549316406, 'Europe', 'PayPal')
(10012, '2024-01-12', 'Electronics', 'Sony PlayStation 5', 1, 199.99000549316406, 199.99000549316406, 'Asia', 'Debit Card')
(10013, '2024-01-13', 'Clothing', 'Hanes Summer Dress', 3, 59.990001784668, 59.990001784668, 'Europe', 'PayPal')
(10014, '2024-01-14', 'Home Appliances', 'Shineido K-Elite Coffee Maker', 1, 189.99000549316406, 189.99000549316406, 'Europe', 'PayPal')
(10015, '2024-01-15', 'Clothing', 'North Face Down Jacket', 2, 249.99000549316406, 249.99000549316406, 'Asia', 'Debit Card')
(10016, '2024-01-16', 'Books', 'Salt', Fabien Hey, De Sam Nostal, 35, 99.990001784668, 99.990001784668, 'North America', 'Credit Card')
(10017, '2024-01-17', 'Beauty Products', 'Beauty Effects Microfiber Hair Dryer', 1, 39.999990234375, 39.999990234375, 'Europe', 'PayPal')
(10018, '2024-01-18', 'Electronics', 'Philips Fidelio L1 Headphones', 1, 129.99000549316406, 129.99000549316406, 'Europe', 'PayPal')
(10019, '2024-01-19', 'Electronics', 'Garmi Foreunner 845', 1, 49.999990234375, 99.99999786376953, 'Europe', 'PayPal')
(10020, '2024-01-20', 'Clothing', 'Zapaa Summer Dress', 3, 59.990001784668, 59.990001784668, 'Europe', 'PayPal')
(10021, '2024-01-21', 'Clothing', 'Lazada Summer Flyout', 2, 12.99999977118164, 12.99999977118164, 'Europe', 'PayPal')
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(10026, '2024-01-26', 'Home Appliances', 'Panasonic NN-SN966Q Microwave', 1, 179.99000549316406, 179.99000549316406, 'Europe', 'PayPal')
(10027, '2024-01-27', 'Clothing', 'Hanes Summer Dress', 3, 59.990001784668, 59.990001784668, 'Europe', 'PayPal')
(10028, '2024-01-28', 'Books', 'Pride and Prejudice by Jane Austen', 1, 36.99999977118164, 36.99999977118164, 'Europe', 'PayPal')
(10029, '2024-01-29', 'Beauty Products', 'MAC Ruby Woo Lipstick', 2, 29.99999777118164, 29.99999777118164, 'Europe', 'PayPal')
(10030, '2024-01-30', 'Sports', 'Nike Air Zoom Pegasus 37', 2, 129.99000549316406, 29.9800109863281, 'Asia', 'Credit Card')
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(10034, '2024-01-34', 'Books', '1984 by George Orwell', 4, 19.99999777118164, 19.999998447266, 'North America', 'Credit Card')
(10035, '2024-01-35', 'Clothing', 'Patagonia Recycled Sweater', 1, 129.99000549316406, 129.99000549316406, 'Europe', 'PayPal')
(10036, '2024-01-36', 'Books', 'Peleton Bike', 1, 43.99999977118164, 43.99999977118164, 'Europe', 'PayPal')
(10037, '2024-01-37', 'Clothing', 'Kithchen Stand Mixer', 1, 29.999990234375, 119.9999970703125, 'North America', 'Credit Card')
(10038, '2024-01-38', 'Books', 'Educated by Tara Westover', 3, 28.00, 84.0, 'North America', 'Credit Card')
(10039, '2024-01-39', 'Clothing', 'Columbia Fleece Jacket', 4, 59.990001784668, 59.990001784668, 'Asia', 'Debit Card')
(10040, '2024-01-40', 'Books', 'Harry Potter and the Sorcerer's Stone', 3, 24.99999977118164, 24.99999977118164, 'Europe', 'PayPal')
(10041, '2024-01-41', 'Clothing', 'Hanes Comfortsoft T-Shirt', 1, 12.99999977118164, 12.99999977118164, 'Europe', 'PayPal')
(10042, '2024-01-42', 'Sports', 'Fitbit Charge 5', 2, 129.99000549316406, 253.9800109863281, 'Asia', 'Credit Card')
(10043, '2024-01-43', 'Electronics', 'GoPro HERO10 Black', 3, 39.999990234375, 119.9999970703125, 'North America', 'Credit Card')
(10044, '2024-01-44', 'Clothing', 'Patagonia Recycled Sweater', 1, 129.99000549316406, 129.99000549316406, 'Europe', 'PayPal')
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(10048, '2024-01-48', 'Books', 'Yeast Rambler Tumbler', 6, 39.9900016784668, 39.94000244140625, 'Asia', 'Credit Card')
(10049, '2024-01-49', 'Electronics', 'Kinder Paper Plate', 2, 129.99000549316406, 259.9800109863281, 'North America', 'Credit Card')
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