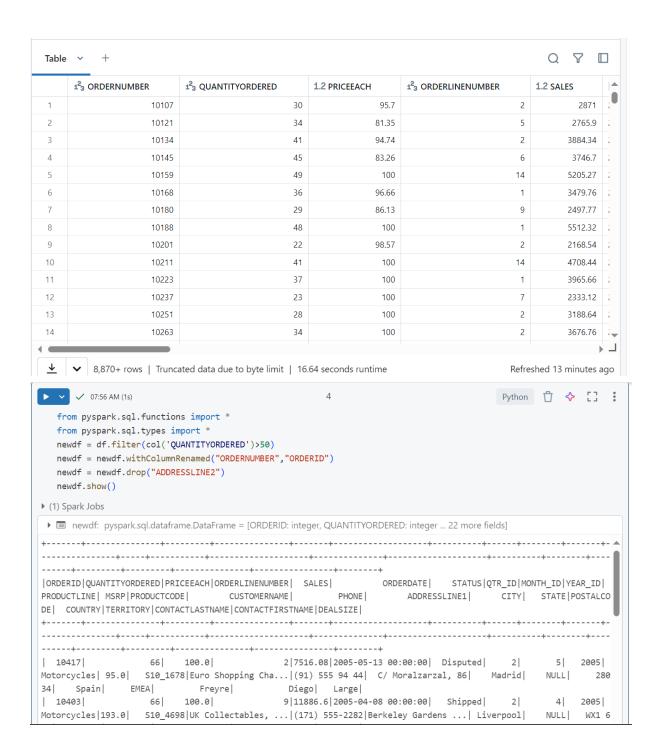
## Azure Datalake to SQL task 2

```
▶ ✓ ✓ 07:48 AM (17s)
                                                                                            Python 🗇 💠 🚼 :
  # Define storage account and container details
  storage_account_name = "azurenewaccount"
  container_name = "sqltodatalake"
  file_path = "dbo.Orders.txt"
  # Ensure the storage account access key is correctly set in the Spark configuration
      f"fs.azure.account.key.{storage_account_name}.blob.core.windows.net",
       "XexJUOApV6eLGoc/shWgIL341gskEGO9mVVi5OA0U6niJqdeNEh10AMykAjovtrclt7vo2huX0qx+ASt6Z66Dg=="
  # Read data from Blob Storage using the correct URI scheme and path
  df = spark.read.format("csv") \
      .option("header", "true") \
      .option("inferSchema", "true") \
      .load(f"wasbs://{container_name}@{storage_account_name}.blob.core.windows.net/{file_path}")
   # Display the data
  display(df)
(3) Spark Jobs
▼ ■ df: pyspark.sql.dataframe.DataFrame
        ORDERNUMBER: integer
                                                                                                                  6
        QUANTITYORDERED: integer
        PRICEEACH: double
        ORDERLINENUMBER: integer
        SALES: double
        ORDERDATE: timestamp
        STATUS: string
        QTR_ID: integer
        MONTH_ID: integer
        YEAR_ID: integer
        PRODUCTLINE: string
        MSRP: double
        PRODUCTCODE: string
        CUSTOMERNAME: string
        PHONE: string
        ADDRESSLINE1: string
        ADDRESSLINE2: string
        CITY: string
        STATE: string
        POSTALCODE: string
        COUNTRY: string
        TERRITORY: string
```



```
# Define storage account and container details for ADLS
adls_storage_account_name = "azurenewaccount"
adls_container_name = "sqltodatalake"
output_path = f"abfss://{adls_container_name}@{adls_storage_account_name}.dfs.core.windows.net/transformed_data"

spark.conf.set(
    f"fs.azure.account.key.{adls_storage_account_name}.dfs.core.windows.net",
    "XexJUOApV6eLGoc/shWgIL341gskEGO9mvVi5OA0U6niJqdeNEh10AMykAjovtrclt7vo2huX0qx+ASt6Z66Dg==")

newdf.write.mode('overwrite').option("header", "true").csv(output_path)

print(f"Transformed data written to {output_path}")

> (1) Spark Jobs

Transformed data written to abfss://sqltodatalake@azurenewaccount.dfs.core.windows.net/transformed_data
```

