## Assignment: Structured Streaming and Transformations on Streams

## SaiPrabath Chowdary S

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    01:04 PM (1s)

                                                                          10: folder for streaming
  csv_path = 'file:/Workspace/Shared/assignment17sep/transactions.csv'
  streaming_path = 'dbfs:/FileStore/assignment17sep/streaming/input/'
  dbutils.fs.cp(csv_path, f"{streaming_path}transactions.csv")

✓ 01:04 PM (<1s)
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                                                                   11: Set up a structured streaming source
  from pyspark.sql import SparkSession
  from pyspark.sql.functions import col
  spark = SparkSession.builder.appName("Streaming").getOrCreate()
  transaction_schema = "TransactionID STRING, TransactionDate DATE, ProductID STRING, Quantity INT, Price DOUBLE"
  transaction_stream_df = spark.readStream.format("csv").option("header", True).schema(transaction_schema) \
               .load("dbfs:/FileStore/assignment17sep/streaming/input/")
  transaction_stream_df.printSchema()
▶ 🔳 transaction_stream_df: pyspark.sql.dataframe.DataFrame = [TransactionID: string, TransactionDate: date ... 3 more fields]
|-- TransactionID: string (nullable = true)
|-- TransactionDate: date (nullable = true)
|-- ProductID: string (nullable = true)
|-- Quantity: integer (nullable = true)
|-- Price: double (nullable = true)
```









