-- Lab - SQL Pool - External Tables - CSV

CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'P@ssw0rd@123';

-- Here we are using the Storage account key for authorization

CREATE DATABASE SCOPED CREDENTIAL AzureStorageCredential

WITH

IDENTITY = 'datalakerojalin',

SECRET = 'fz7a5PdxhgCo65cGTw5pZUybWaRt80LIr9rPX+7Q0Pwe6bsbJtnNlAbm8JC3A28nMNgiVCir3tVL+AStMP8kWw==';

-- In the SQL pool, we can use Hadoop drivers to mention the source

CREATE EXTERNAL DATA SOURCE log\_data

WITH ( LOCATION = 'abfss://data@datalakerojalin.dfs.core.windows.net',

CREDENTIAL = AzureStorageCredential,

TYPE = HADOOP

)

CREATE EXTERNAL FILE FORMAT TextFileFormat WITH (

FORMAT\_TYPE = DELIMITEDTEXT,

FORMAT\_OPTIONS (

FIELD\_TERMINATOR = ',',

FIRST\_ROW = 2))

DROP EXTERNAL TABLE [logdata]

CREATE EXTERNAL TABLE [logdata]

(

[Id] [int] NULL,

[Correlationid] [varchar](200) NULL,

[Operationname] [varchar](200) NULL,

[Status] [varchar](100) NULL,

[Eventcategory] [varchar](100) NULL,

[Level] [varchar](100) NULL,

[Time] [datetime] NULL,

[Subscription] [varchar](200) NULL,

[Eventinitiatedby] [varchar](1000) NULL,

[Resourcetype] [varchar](1000) NULL,

[Resourcegroup] [varchar](1000) NULL

)

WITH (

LOCATION = '/Log.csv',

DATA\_SOURCE = log\_data,

FILE\_FORMAT = TextFileFormat

)

SELECT \* FROM logdata

SELECT [Operationname] , COUNT([Operationname]) as [Operation Count]

FROM logdata

GROUP BY [Operationname]

ORDER BY [Operation Count]