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Assignment 1:

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Description automatically generated with low confidence

Project 7. Diplomacy done on Apache Pig [#2]

Steps to execute Pig Script:

* I Have Hadoop configured and up and running according to slides of 2nd lesson.
* In Hadoop Files view, upload the required CSVs : Moodle -> diplomacy dataset: orders.csv.
* In the Pig view, create a new script by clicking on the "New Script" button.
* Either paste the script provided earlier into the script editor field or upload the script file.
* Review the script and make the necessary modifications or changes to the wording as per your requirement. For example, you can update the target location from 'Holland' to a different location that you want to filter and count.
* Once you have made the changes, click on the "Run" or "Execute" button to execute the script.
* Monitor the progress and wait for the script to complete. The results will be displayed in the
* Pig view.

A screenshot of a computer

Description automatically generated with medium confidence

ordersCSV = LOAD '/user/maria\_dev/diplomacy/orders.csv' USING PigStorage(',') AS (

game\_id: chararray,

unit\_id: chararray,

unit\_order: chararray,

location: chararray,

target: chararray,

target\_dest: chararray,

success: chararray,

reason: chararray,

turn\_num: chararray

);

filtered\_data = FILTER ordersCSV BY (target == '"Holland"');

group\_by\_location = GROUP filtered\_data BY location;

count\_specified\_location = FOREACH group\_by\_location GENERATE

group AS location,

'"Holland"' AS target,

COUNT($1) AS total;

Ordering and Displaying the Result:

result = ORDER count\_specified\_location BY location;

DESCRIBE result;

DUMP result;

Results: A screenshot of a computer

Description automatically generated