Ex:5 Create UDF (User Defined Functions) in Apache Pig and execute it in MapReduce/HDFS mode

AIM:

To create UDF (User Defined Functions) in Apache Pig and execute it in MapReduce/HDFS mode.

PROCEDURE:

- 1. Ensure that Apache Pig is installed and configured.
- 2. Create a python UDF (User Defined Functions).
- 3. Jython should be installed as Pig will use it to interpret the Python UDFs.
- 4. Create a Pig script that registers and uses the Python UDF.

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File Edit View

|-- Register the Python UDF script REGISTER 'hdfs:///pig_udf/uppercase1.py' USING jython AS udf;
|-- Load the data from the input file data = LOAD 'hdfs:///pig_udf/input.txt' AS (text:chararray);
|-- Apply the Python UDF to convert text to uppercase uppercased_data = FOREACH data GENERATE udf.uppercase(text) AS uppercase_text;
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5. Execute the Pig Script in MapReduce Mode using the command:

pig -x mapreduce script.pig

OUTPUT:

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Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

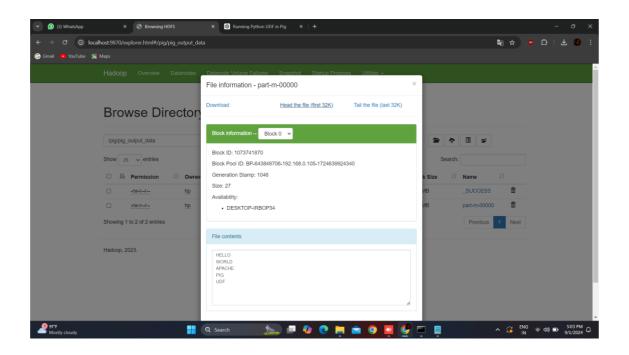
C:\Windows\System32>cd /

C:\>start-all.cmd

This script is Deprecated. Instead use start-dfs.cmd and start-yarn.cmd

starting yarn daemons

C:\>hadoop fs -mkdir /pig
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RESULT:			
Thus, to create a UDF in Apache Pig and execute in MapReduce mdoe has been executed successfully .			

