Large Scale Data Management

Project Assignment 1, February 2024

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Part 1

For the 1st part I used the "DonQuixote.txt" file from this website https://www.gutenberg.org/files/996/996-0.txt which describes a middle-aged gentleman from the region of La Mancha in central Spain. Obsessed with the chivalrous ideals touted in books he has read, he decides to take up his lance and sword to defend the helpless and destroy the wicked. Below you can see the output of the Map-reduce execution for this book.

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2021-02-02 file System Counter

File System Co
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Also we can see that our docker containers are healthy during this process:

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Vagrant@vagrant:-$ docker ps

CONTAINER ID IMAGE

NAMES
e012990494ec bde2029/hadoop-historyserver:2.0.0-hadoop3.2.1-java8 historyserver
d022441648e1 bde2029/hadoop-nodemanager:2.0.0-hadoop3.2.1-java8 nodemanager
057bc3546600 bde2029/hadoop-rodemanager:2.0.0-hadoop3.2.1-java8 datanode
402tcp
datanode
05bc354660b bde2029/hadoop-resourcemanager:0.0-hadoop3.2.1-java8 resourcemanager
0567bc354660b bde2029/hadoop-resourcemanager:2.0.0-hadoop3.2.1-java8 resourcemanager
057bc354660b bde2029/hadoop-resourcemanager:2.0.0-hadoop3.2.1-java8 resourcemanager
05bc36460b bde2029/hadoop-resourcemanager:2.0.0-hadoop3.2.1-java8 resourcemanager
05bc36460b bde2029/hadoop-namenode:2.0.0-hadoop3.2.1-java8 reso
```

Part 2

In this part we are going to perform again the Map-Reduce execution but in this case to detect the most "danceable" song, along with its "danceability" and the average dance- ability of all songs for the same country and month pair from a .csv file which contains songs and its details from Spotify. As we can see from below the Map_reduce performed well and this is the result:

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Dalted Austrodit/Outp
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Total wasper-millisecomb taken by all mag takes-20090

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Mag-millisecomb takes
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| Page |
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987 | 202-12 | Mart Decemble Sens & 670, Average Decemblisty & 6.02217905179 |
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988 | 202-12 | Mart Decemble Sens & 670, Average Decemblisty & 6.02217905179 |
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