

Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 80%. We keep your highest score.

[Next item →](#)

Before starting the Quiz, you will need to complete the setup. If you deleted your container after the previous Hands On activity, go through steps 1. If you did not, go through 5 and 6:

1. Open Docker Desktop
2. Open your terminal shell and go to your *big-data-1/hadoop* directory
3. Run *docker-compose up -d*
4. Run *docker cp ./mapred-site.xml hadoop-namenode-1:/opt/hadoop/etc/hadoop/mapred-site.xml*
5. Run *docker cp ./alice.txt hadoop-namenode-1:/opt/hadoop/alice.txt* to copy Alice in Wonderland into the container.
6. Run *docker exec -it hadoop-namenode-1 /bin/bash* to open the containers shell.
7. Create the HDFS user directory *hdfs dfs -mkdir -p /user/hadoop*

1. Run wordcount on the alice.txt file. This can be done by using hadoop commands. Remember to place the file into the HDFS. How many times does the word Cheshire occur? (Do **not** include the word 'Cheshire with an apostrophe. The string -->'Cheshire<-- does not count)

1 / 1 point

Enter a number:

✓ Correct

After completing Question 1, DO NOT DELETE NOR STOP THE CONTAINERS. Run *docker exec -it hadoop-namenode-1 /bin/bash* to re-enter the containers shell.

2. The set of example MapReduce applications includes *wordmedian*, which computes the median length of words in a text file. If you run *wordmedian* using *alice.txt* as input, what is the median word length?

1 / 1 point

Note that **wordmedian prints the median length to the terminal** at the end of the MapReduce job; the output file does not contain the median length.

Enter a number:

✓ Correct