

Dream Agility Coding Challenge

Programming language used:

Java

Version of Java used:

java version "1.7.0_79"

Java(TM) SE Runtime Environment (build 1.7.0_79-b15)

Java HotSpot(TM) 64-Bit Server VM (build 24.79-b02, mixed mode)

Commands for running and compiling the application:

javac MergeCSV.java

For small files:

java MergeCSV Resources/SmallFiles/file1.csv Resources/SmallFiles/file2.csv
Resources/SmallFiles/file3.csv

For large files:

java MergeCSV Resources/LargeFiles/file1.csv Resources/LargeFiles/file2.csv
Resources/LargeFiles/file3.csv

Runtime required for merging the 3 large files above: about 8.5 seconds

Runtime required for merging the 3 small files above: about 0.15 seconds

Example Run:

```
[mfbx3ard@e-c07kilf1624 MergeCSV]$ java MergeCSV Resources/Large
Starting ...
First table read ...
Hash table complete ...
Verification running...
Checksum: 1999997 vs 1999997
Writing results ...
Runtime in seconds: 8.346398597
[mfbx3ard@e-c07kilf1624 MergeCSV]$
```