```
 1 "C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-
   javaagent:C:\Users\marcramos\AppData\Local\JetBrains\
   IntelliJ IDEA Community Edition 2021.3.2\lib\idea_rt.
   jar=59530:C:\Users\marcramos\AppData\Local\JetBrains\
   IntelliJ IDEA Community Edition 2021.3.2\bin" -Dfile.
   encoding=UTF-8 -classpath C:\Users\marcramos\Desktop\
   algoritmiaestruturasdados\out\production\
   algoritmiaestruturasdados tp_Aula4.DemoReadBinFile
 2 WHAT FILE YOU WANT TO ORGANIZE?
 3 (1) FILE WITH 10 NUMBERS
 4 (2) FILE WITH 100 NUMBERS
 5 (3) FILE WITH 1000 NUMBERS
 6 (4) FILE WITH 10000 NUMBERS
 7 (5) FILE WITH 100000 NUMBERS
 8 (6) FILE WITH 1000000 NUMBERS
 9 6
10 READING FILE...
11 READING FILE...
12 READING FILE...
13
14 ########## SHELL SORT ##########
15 136030300 nanoseconds
16
17 ########## QUICK SORT ##########
18 108569200 nanoseconds
19
20 ########## BUBLE SORT ##########
21 176954369911800 nanoseconds
22
23 Saving the file ordered in a bin file!
24 milionNumbers\orderFileQuick1000000.bin CREATED AND
   WAS ORGANIZED BY QUICK SORT
25 ...
26 milionNumbers\orderFileShell1000000.bin CREATED AND
   WAS ORGANIZED BY SHELL SORT
27 ...
28 milionNumbers\orderFileBubble1000000.bin CREATED AND
   WAS ORGANIZED BY BUBBLE SORT
29 ...
30
31 Process finished with exit code 0
```