Name:	DuplicateFiles – finds duplicate files

Synopsis: **DuplicateFiles *directory threadCount [i]***

Description: Application is used to find files with identical content. It is more efficient on big files (GB sizes). Command line arguments:

> *directory*   ….. directory (folder) to search for
> *threadCount* ….. number of threads
> *i*   ….. interactive mode (alternatively)

Very simple console user interface is activated in interactive mode. It allows suspend, resume, stop and restart selected thread (or all threads) by entering command. Command consist of letter and optional number. The letter means thread action. There are four valid letters (actions):

> „P" (or „p")   ….. suspend (pause) running thread
> „C" (or „c")   ….. resume (continue) suspended thread
> „S" (or „s")   ….. stop running or suspended thread
> „R" (or „r")   ….. restart stopped thread

Optional number is thread selector. If number is missing action will apply to all threads. For example:

> P3   ….. it suspends third thread
> S1   ….. it stops first thread
> C   ….. it resumes all suspended threads
> S   ….. it stops all threads (consequently finish application itself)

Output: Text file **DuplicateFiles.txt** in working directory containing paths of identical pairs of files.

Examples: java -jar DuplicateFiles ./home/peter/test 4
java -jar DuplicateFiles c:\test 5 i

Development environment:

IDE:	IntelliJ IDEA 2017.3.4
JRE:	1.8.0_152-release-1024-b11 amd64
JVM:	OpenJDK 64-Bit Server VM by JetBrains s.r.o
Kernel:	Linux 4.4.0-116-generic

Tested on: Xubuntu 16.04.4 LTS
Microsoft Windows 10 Pro version 1709