Exercise	PRO.3.7B
Project	CountFilesOnDisk Download (or clone) this project https://github.com/rf21da2b1-1b/CountFilesOnDisk
Purpose	Change the execution of an I/O-consuming calculation to use **Tasks**, to decrease the absolute running time.
Description	The project contains in the worker class a method Scan, which count the number of files on your 'C'-drive. Look at the code, initially Starts find all dictionaries in the root, then call Scan on each dictionary. The Scan method will recursively scan all dictionaries and for each count the number of files.

Steps	1. Run the program … this can takes several minutes
	remember the elapsed time and the number of files (make a note).
	
	2. You are an impatient person, so your job is to improve the execution time by using Task.
	
	3. In the Start-Method
	    a. Instantiate a list of task
	      (List<Task> tasks = new List<Task>())
	
	    b. In the foreach-loop start each Scan in a task
	      (tasks.Add (Task.Run(()=> Scan(dic))))
	
	    c. After the foreach-loop wait for all tasks to complete their job
	      (Task.WaitAl(tasks.ToArray()))
	
	    d. Create an object as an instance field
	      (private object lockObj = new object();)
	      Lock the incrementing of the noOfFiles
	      (lock (lockObj)
	        {
	          noOfFiles += Directory.GetFiles(path).Length;
	        })
	
	4. Compare the running time of your new version with the original version. How much faster is your version?

Extra	i. Can you make the program even faster
	ii. Run your program from the folder look the file at eg.: "…\repos\CountFilesOnDisk\CountFilesOnDisk\bin\Debug\net5.0\ CountFilesOnDisk.exe"
	iii. Try to run the program as administrator. Any differences? If yes why?