File Generator and Aggregator

This challenge requires you to perform 2 tasks.

1. **File Generator (Books.7z)**
   You are given 5 books and now you need to make copies of those books randomly so that each book has exact 200 copies. This will mean that there would be 1000 files after your program executes. It is very important to note that files be names by a serial number. So, your files would look something similar like this.
   Books
   - Book1.txt
   - Book2.txt
   - Book3.txt
   - Book4.txt
   - Book5.txt

   GeneratedBooks (This should be randomly generated)

   - 1.txt (Book3)
   - 2.txt (Book1)
   - 3.txt (Book1)
   - 4.txt (Book2)
   - 5.txt (Book4)
   - 6.txt (Book5)
   - 7.txt (Book1)
   - .
   - .
   - .
   - 1000.txt (Book1)

2. **File Aggregator**
   a. Now You have generated Book copies. It is time to arrange them in a proper desk. You need to write a program that aggregates books into folders named Book1, Book2, Book3, Book4 and Book5.
   b. Critical factor in this case would be on how fast your algorithm works.

   GeneratedBooks (This should be randomly generated)

   - 1.txt (Book3 , This is just for understanding)
   - 2.txt (Book1)
   - 3.txt (Book1)
   - 4.txt (Book2)
   - 5.txt (Book4)
   - 6.txt (Book5)
   - 7.txt (Book1)
   - .
   - .
   - .
   - 1000.txt (Book1)

AggregatedBooks

- Book1
  - 2.txt
  - 3.txt
  - 7.txt
  - 1000.txt
- Book2
  - 4.txt
- Book3
  - 1.txt
- Book4
  - 5.txt
- Book5
  - 6.txt

3. Use the same utility built in 2nd step to process NewBooks.7z file. It contains approx 6,000 files and we don't know how many unique files are there.

Base books are provided over \\server12\Stack\temp. Both Will be separate utilities/programs.

Best of luck and Happy Coding