The following exercise:

You receive a string of N numbers (you generate it randomly)

1. You have to find the Maximum and Minimum of the string (parallel).

2. You must obtain the string of squares of numbers (parallel). 3. You must obtain the sum of the squares of the numbers (parallel). 4. You have to get the string of number cubes (parallel).

5. You must obtain the sum of the cubes of the numbers (parallel).

Measure all 5 steps vs sequential implementation

Think when you make them how you can reuse things already calculated like from step 2 to 3. or 4 to 5.

For exercise 3, I want you to do it in 2 ways. and checked which is faster (once with guard on the sum variable and once with each thread doing a partial sum)