

Exercise 1 (Mandatory)

Submit three in-class exercises:

- The first two in a .sc format
- The third one in .scala format

Exercise 2 (Mandatory)

Generate a list from 1 to 45 then apply .filter to compute the following results:

- Sum of the numbers divisible by 4
- Sum of the squares of the numbers divisible by 3 and less than 20

Exercise 3 (Mandatory)

Write a max function that picks the max of two numbers and another get_max function to call the first one with inputs.

Exercise 4 (Optional)

Improve the wordCount example by

1. Remove the non-letter characters
2. Merge uppercase and lowercase words
3. Sort (descending) the pairs