1. Gasiti toate numerele pare (TODO #1)

Find even number

1. Gasiti elementul din steam care are numele “Jack” (TODO #2)

Find the element from the stream that has name “Jack”

1. Gasiti toate elementele din stream care sunt not null (TODO #3)

Find all elements from the stream that are not null

1. Gasiti elementul din steam care are numele “James” si varsta “20” (TODO #4)

Find the element from the stream that has the name “James” and age “20”

1. Dublati numerele din stream. (TODO #5)

Double the value of numbers in the stream

1. Returnati doar numele persoanelor.(TODO #6)

Return only the names of the persons

1. Concatenati cele 2 liste din stream intr-una singura (TODO #7)

Concatenate those 2 list from the list into one

1. Calculati produsul numerelor din lista (TODO #8)

Calculate the product for the given list

1. Gasiti prima persoana de sex masculin din lista (TODO #9)

Return the first male person in the list.

1. Verificati daca toate persoanele din lista au varsta sub 70 de ani.  (TODO #10)

Check if all the persons from the list have under 70 years

1. Gasiti cel mai mic numar din stream-ul dat (TODO #11)

Find the smallest number in the stream.

1. Gasiti cea mai tanara persoana din lista (TODO #12)

Find the youngest person from the list.

1. Calculati media de varsta a persoanelor din lista (TODO #13)

Calculate the average age for the persons.

1. Gasiti toate nationalitatile pentru persoanele a caror nume incep cu ‘J’. (TODO #14)

Find all the nationality for the persons with the name starting with character ‘J’

1. Gasiti primul patrat perfect care se divide cu 3 din lista data. (TODO #15)

Find the first perfect square which is divisible with 3.

1. Calculati suma total a lugimilor cuvintelor din lista data.

Calculate the total sum for the strings length.

1. Calculati salariul total al persoanelor din lista

Calculate the total salary for the persons in the list.

Collectors

1. Partitionati lista dupa criteriul - calories > 380 (TODO #C1)
2. Grupati lista de dishes dupa ClaoricLevel: (TODO #C2)

* public enum CaloricLevel { DIET, NORMAL, FAT }
* 0 < DIET <= 400 calories
* 400 < NORMAL <= 700
* FAT > 700

1. Eliminiati duplicatele din lista de numere (TODO #C3)
   1. Folosind operatii streams
   2. Folosind collectors
2. Transformati Stream-ul intr-un TreeSet (TODO #C4)
3. Gasiti cel mai putin caloric dish de tipul MEAT (TODO #C5)

Find the smallest caloric dish of type MEAT

1. Returnati statistica (average, sum, min, max) pentru caloriile dish-urilor vegetariene (TODO #C6)

Return the statistic (…) for the vegetarian dishes

1. Returnati numarul de dishes care au numarul de calorii mai mare ca 140, grupate dupa tipul de dish.(TODO #C7)

Return the total number of dishes that have number of calories greater than 140, grouped by the type of dish

1. Rescrieti functia de la exercitiul 12 folosind maxBy/minBy.

Rewrite the function from the 12th exercise using maxBy/minBy

9\*) Generati un Map de aparatie a caracterelor intr-o propozitie: (TODO #C9)

E.g. “cool” -> {“c”:1, “o”:2, “l”: 1}

Puteti extinde functia pentru a prelucra liste de propozitii?

Generate the Map that will contain the characters and the occurencies of the characters

Can you extend the functions to use list of sentences instead of list of characters