

Database of a pen store is stored in a text file. One database element consists of the brand of the pen, the color of the pen and the number of pieces the store has of this pen.

The file is ordered by brand and you can suppose that it is **not** empty. One color of one brand cannot be found in multiple lines.

One sample file:

Parker red 40

Parker blue 70

Stabilo green 20

Stabilo blue 5

Stabilo orange 20

Task:

Satisfactory: Has the store run out of Stabilo and later pens according to the file? Run out of means that there are less than 5 pieces of each color. You have to define a method for reading from the file and you have to create an algorithm which is based on the general algorithm of the algorithmic patterns.

In the sample file, the answer is no.

Excellent: Which brands have more than 70 pens in the database? You have to create a class with methods `first()`, `next()`, `current()`, and `end()` for enumerating the total number of pens for each brand. Other public methods cannot be created for this class.

In the sample file the output is Parker.

Requirements for both levels: You cannot store multiple lines of the file and you can open the file only once.