

Complementary Exercises

1. Write a method that takes a **synonym map**, where the key is a word and the value is a list of synonyms for that word. The goal is to return a list of synonyms that appear **more than n times**. The return list must not have repeated synonyms. Consider the following signature:

```
List<String> moreSynonyms(Map<String, List<String>> mapSyn, Integer i)
```

2. Write a generic method for maintaining a **list of favourites**. The elements in this list must be sorted in descending order of its search. For example, given the integer list $l=\{4, 5, 8, 9\}$, and the elements search in the following order $p=\{8,9,9,3,9,5,8,8,3\}$, produces the list of favourites $f=\{9, 8, 5, 4\}$. Assume that list l does not contain repeats and two or more elements with the same search frequency appear in arbitrary order (the favourite list of the indicated search can also be $l=\{8, 9, 5, 4\}$).

```
public static<E> void favouriteList(List<E> l, List<E> p)
```