Exercises:

1. Use the javap tool to disassemble the generic class *Box<T>*. Where can you see TE in action in the result?
2. Draw a UML diagram of the class *HashMap*, do it as complete as possible.
3. Write a program provoking a generic unchecked warning in IntelliJ IDEA.
4. Write a program, which determines the difference set of two *List<E>* instances.
5. Program a method, that accepts a *String* containing many words, it should return a *Map*, which associates specific words with their count in the passed *String*. – Do not use the *Stream* API for the solution!
6. Write a generic static method, that returns the minimum and maximum values of a passed *List<E>* as *Map.Entry<K, V>*.
7. Write a generic static method, that writes the items of its argument to the console. Its parameter should be of type *Iterable<E>* The method should offer an optional parameter, which allows to specify a separator-*String* put in between each item written to the console. – The separator-*String* shall default to ", ".

Remarks:

- As always.