

## Recap

Set is a data collection to remove duplicate items inside a bunch of object instances.

It is used for checking if an object already exists in the set. According to the result, flow may be modified.

Objects in the set must override equals() and hashCode() method according to logic you want and both of them must use the same attributes. I mean, if equals() method is checking attribute A and B for equality, hashCode() must be generated by using attribute A and B.

## Objectives

- Using sets to find duplicate items
- Using sets for already existing items

## Activities

We have a string like this:

*“Collections is the most important item in Java development”*

We need to remove all the occurrences of a letter after the first occurrence. For instance the expected result is:

*“Collections h mpra Jv d”*

Here since l exists in the first word, it is removed from all the successive words.

The only exception is space character. It should not be removed in any case.

- Write a class “DuplicateWordRemover” and write a method inside with signature:

**String removeDuplicateLetters(String s)**

- Use HashSet for duplicate item detection.
- Test your code in main method.

## PLATFORM

Java 8 JDK

Eclipse IDE

