Why equals and hashcode are so important?

Equals is used in most collections to determine if a collection contains a given element.

List.contains(“123”)=> use “123”.equals(element)

List.remove(“123”)=> use “123”.equals(element)

The proper implementation of equals is essential for your own classes to work well with the java collection classes

Hash. Is used to determine how to store the object internally, hashcode result the magic of put and get in O(1) hashcode will be used in put and get of our map

According to the.. the hashmap know where to put it and where to search for it .

What append if two objects have the same hashcode result? Can it happen?

HashMap internal implementation

hashMap is build up with an array called bucket

every element in that bucket have a link to the entries stored in a linked list by default

if there is a existing entry in the bucket on the same index as calculated from the hashcode() method the hashmap will use the equals() methd to check if the passed key already exists.

If yes it overwrites the value as we saw in the basic demo

If not it creates a new entry and store it in a linked list.

