

56 lines (42 loc) · 2.59 KB

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```
1 import java.util.List;
2 import java.util.Map;
3 import java.util.Set;
4 import java.util.stream.Collectors;
5 import java.util.stream.Stream;
6
7 public class Main {
8     public static void main(String[] args) {
9         Map<Integer, List<String>> collect = Stream.of("jlk", "trdj", "ewrt", "sdfafsaf", "lk1k1",
10             "sdfafsaf", "jlk", "vnbc", "kjllk")
11             .collect(Collectors.groupingBy(s -> s.length()));
12         System.out.println(collect);
13
14         // {3=[jlk, jlk], 4=[trdj, ewrt, vnbc], 5=[lk1k1, kjllk], 8=[sdfafsaf, sdfafsaf]}
15
16         Map<Integer, Set<String>> collect1 = Stream.of("jlk", "trdj", "ewrt", "sdfafsaf", "lk1k1",
17             "sdfafsaf", "jlk", "vnbc", "kjllk")
18             .collect(Collectors.groupingBy(s -> s.length(), Collectors.toSet()));
19         System.out.println(collect1);
20
21         // {3=[jlk], 4=[trdj, ewrt, vnbc], 5=[kjllk, lk1k1], 8=[sdfafsaf]}
22
23         Map<Integer, Long> collect2 = Stream.of("jlk", "trdj", "ewrt", "sdfafsaf", "lk1k1",
24             "sdfafsaf", "jlk", "vnbc", "kjllk")
25             .collect(Collectors.groupingBy(s -> s.length(), Collectors.counting()));
26         System.out.println(collect2);
27
28         // {3=2, 4=3, 5=2, 8=2}
29
30         Map<Integer, String> collect3 = Stream.of("jlk", "trdj", "ewrt", "sdfafsaf", "lk1k1",
31             "sdfafsaf", "jlk", "vnbc", "kjllk")
32             .collect(Collectors.groupingBy(s -> s.length(), Collectors.joining("|")));
33         System.out.println(collect3);
34
35         // {3=jlk|jlk, 4=trdj|ewrt|vnbc, 5=lk1k1|kjllk, 8=sdfafsaf|sdfafsaf}
36
37         Integer collect4 = Stream.of("jlk", "trdj", "ewrt", "sdfafsaf", "lk1k1",
38             "sdfafsaf", "jlk", "vnbc", "kjllk")
39             .collect(Collectors.collectingAndThen(Collectors.toList(), s -> s.size()));
40         System.out.println(collect4);
41
42         // 9
43
44         System.out.println(Stream.of(1,3,6,2,8,2,3,65,64,34,32,56,21,97,13,87,80)
45             .collect(Collectors.groupingBy(i->i%8)));
46
47         // {0=[8, 64, 32, 56, 80], 1=[1, 65, 97], 2=[2, 2, 34], 3=[3, 3], 5=[21, 13], 6=[6], 7=[87]}
```

```
48
49     Map<Boolean, List<String>> collect5 = Stream.of("jlk", "trdj", "ewrt", "sdfafsaf",
50                                                    "lk1k1", "sdfafsaf", "jlk", "vnbc", "kj1lk")
51           .collect(Collectors.partitioningBy(s -> s.length() > 4));
52     System.out.println(collect5);
53
54     //{false=[jlk, trdj, ewrt, jlk, vnbc], true=[sdfafsaf, lk1k1, sdfafsaf, kj1lk]}
55     }
56 }
```