

Map ??

1. Map? ? ????? ??

```
Map<String, Integer> map = new HashMap<>();
map.put("apple", 3);
map.put("banana", 1);
map.put("cherry", 2);

//   0 0 0000 00
Map<String, Integer> sortedByKey = new TreeMap<>(map);
```

2. Map? ? ????? ??

```
List<Map.Entry<String, Integer>> entries = new ArrayList<>(map.entrySet());

//   0 0 0000 00
entries.sort(Map.Entry.comparingByValue());

//   0 0 0000 00
entries.sort((a, b) -> b.getValue() - a.getValue());
```

3. ??? Map ???

```
Map<String, Integer> sortedMap = new LinkedHashMap<>();
for (Map.Entry<String, Integer> entry : entries) {
    sortedMap.put(entry.getKey(), entry.getValue());
}
```