

Multimap Exercise

A multimap is a data structure that allow us to map more than one value to a key. For example, given the key value 10, if you insert into the multimap the values {10, a} and {10, b}, the key value 10 will be associated with a collection containing the values {a, b}. Write an implementation for a Multimap class. Some of the methods you can have are described below.

1. `put(K key, V value)` → adds the pair to the map
2. `Collection<V> get(K key)` → returns a collection with the values associated with the key
3. `size()` → number of key-value pairs
4. `remove(Object key, Object value)`
5. How would you implement an iterator for the multimap?