package ch09.\_07\_Map;

import java.util.\* ;

public class MapDemo {

public static void main(String[] args) {

Map<String, Integer> m = new TreeMap<String, Integer>() ;

m.put("129", 789) ;

m.put("129", null) ;

m.put("129", 654) ;

m.put("009", 456) ;

m.put("007", new Integer(123) ) ;

Set<String> s = m.keySet() ;

// System.out.println(s);

// case 1

Iterator<String> it = s.iterator() ;

while (it.hasNext()) {

Object o = it.next(); // String o = it.next();

System.out.print("key=" + o ) ;

System.out.println(", value=" + m.get(o) ) ;

}

System.out.println("--------------------------------") ;

Set<Map.Entry<String, Integer>> set = m.entrySet(); // Case 2

Iterator<Map.Entry<String, Integer>> it0 = set.iterator() ;

while (it0.hasNext()) {

Map.Entry<String, Integer> me = it0.next();

System.out.print( "key=" + me.getKey() ) ;

System.out.println( ", value=" + me.getValue() ) ;

}

System.out.println("--------------------------------") ;

Collection<Integer> c = m.values() ; // case 3

Iterator<Integer> it1 = c.iterator() ;

while (it1.hasNext()) {

Integer o = it1.next();

System.out.println("value=" + o ) ;

}

}

}