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import java.util.*;

public class DataStructEx {
    public static void main(String[] args) {

        ArrayList<Integer> v = new ArrayList<Integer>();
        v.add(5);
        v.add(4);
        v.add(-1);

        Iterator<Integer> it = v.iterator(); // Iterator 객체 얻기
        while(it.hasNext()) {
            int n = it.next();
            System.out.println(n);
        }

        System.out.println("=====");
        for(Integer i : v) {
            System.out.println(i);
        }

        HashMap<String, Integer> scoreMap = new HashMap<String, Integer>();

        scoreMap.put("김성동", 97);
        scoreMap.put("황기태", 88);
        scoreMap.put("김남윤", 98);
        scoreMap.put("이재문", 70);
        scoreMap.put("한원선", 99);

        System.out.println("=====");
        System.out.println("HashMap의 요소 개수 : " + scoreMap.size());

        Set<String> keys = scoreMap.keySet();
        Iterator<String> it2 = keys.iterator();
        while(it2.hasNext()) {
            String name = it2.next(); // 다음 키. 학생 이름
            int score = scoreMap.get(name);
            System.out.println(name + " : " + score);
        }

        System.out.println("=====");
        for(String key : keys) {
            System.out.println(key + " : " + scoreMap.get(key));
        }
    }
}

```