

```
import java.util.*;

public class Main {

    public static void main(String[] args) {

        // ΠΡΑΞΕΙΣ ΣΥΝΟΛΩΝ
        Collection<String> set1 = new HashSet<String>();

        set1.add("A");
        set1.add("B");
        set1.add("C");
        set1.add("D");

        Collection<String> set2 = new HashSet<String>();

        set2.add("D");
        set2.add("E");
        set2.add("F");

        // Τελεστής υποσύνολο (έλεγχος αν το set2 είναι υποσύνολο στο set1)
        //returns true if s2 is a subset of s1
        if(set1.containsAll(set2))
            System.out.println("set2 is a subset of s1");
        else
            System.out.println("set2 is NOT a subset of s1");

        // Ένωση 2 συνόλων. Χαλάει το set1
        //transform set1 into the union of set1 and set2
        set1.addAll(set2);
        System.out.println("---Union---");
        System.out.println(set1);

        // Τομή 2 συνόλων. Χαλάει το set1
        //transform set1 into the intersection of set1 and set2
        set1.retainAll(set2);
        System.out.println("---InterSection---");
        System.out.println(set1);

        // Διαφορά δυο συνόλων
        //transform set1 into the set difference of set1 and set2
        //the difference of set1\set2 is the set containing
        //all of the elements in set1 but not in set2
        System.out.println("---Set Difference---");
        set1.add("X");
        System.out.println(set1);
        System.out.println(set2);
        set1.removeAll(set2);
        System.out.println(set1);
    }
}
```