

Assignment 1

Name(ID) :

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Problem statement:

It is required to implement a program that can do union, intersection and complement of sets.

Used data structures:

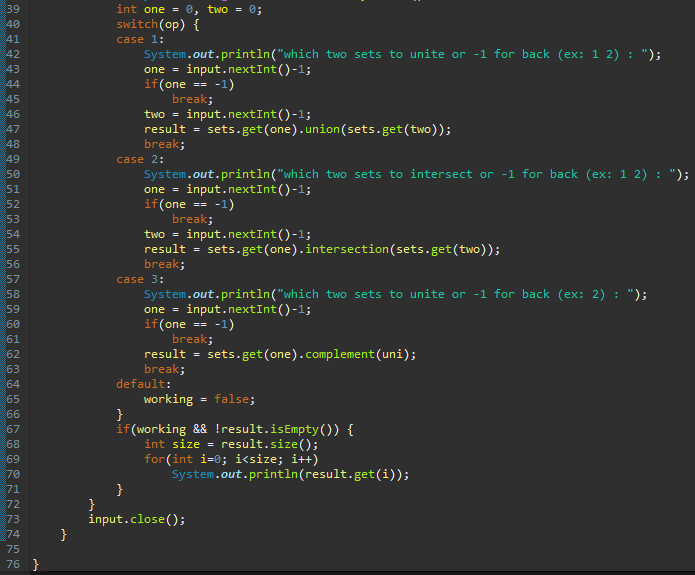
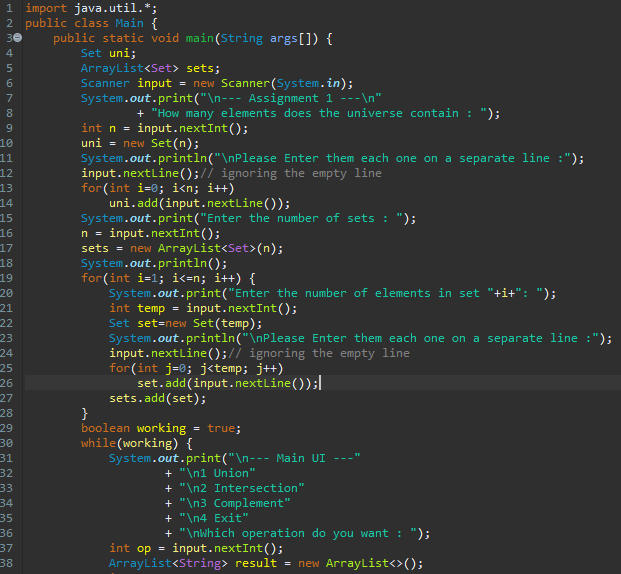
- ArrayList (It is a dynamic array).

- Our implementation of Set Class.

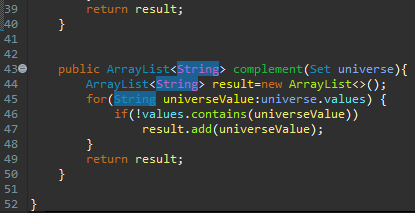
Algorithms used:

Code snippets:

Main class



Set Class



Sample runs:

Assumptions:

The input of universe and sets must be in the form

numberOfElementsInUniverse

element1

element2

.

.

Element

numberOfSets

numberOfElementsInSet1

element1

element2

.

.

Elementn

numberOfElementsInSet2

.

.

And So on.