Exercise 7

1. vector, set, map

Read File and Print it out.

- Read File and print the data inside with 3 types of container: set, map, vector
- The path of file is entered by program argument.
 - o Your program can read program arguments with argc, argv.
- The file contains many lines of number sequels.
- Each row has a numeric array, and each number is separated by a comma(,)
- For map container, the key of value is :
 - o [linenumber:indexnumber]
 - o linenumber is the number of line array is written on file.
 - o indexnumber is the index of value in array.
- Print out data in set or map container with its iterator.
- Your program should print out each line number, and print each numbers in containers
 - When printing numbers in map container, print out line number with it.
 - key==value

Input file example(ex_input.in)

Output example

2. intensive data modifying

description

• implement a simple interpreter

operations

// insert <number> i <number></number></number>	
// delete <number> d <number></number></number>	
// print 1 if the program contains <number>, otherwise print 0 c <number></number></number>	
// quit program q	

- the program has a data store that can add and delete data
- like the set in math, multiple insertions of same number are treated like a single insert
- deletion of nonexistent numbers should be ignored

input example

i 0			
i 0			
c 0			
c 1			
i1			
c 1			
d 0			
c 0			
q			

output example

1 0 1 0