<Report 2018-26190 유성욱>

* Environment

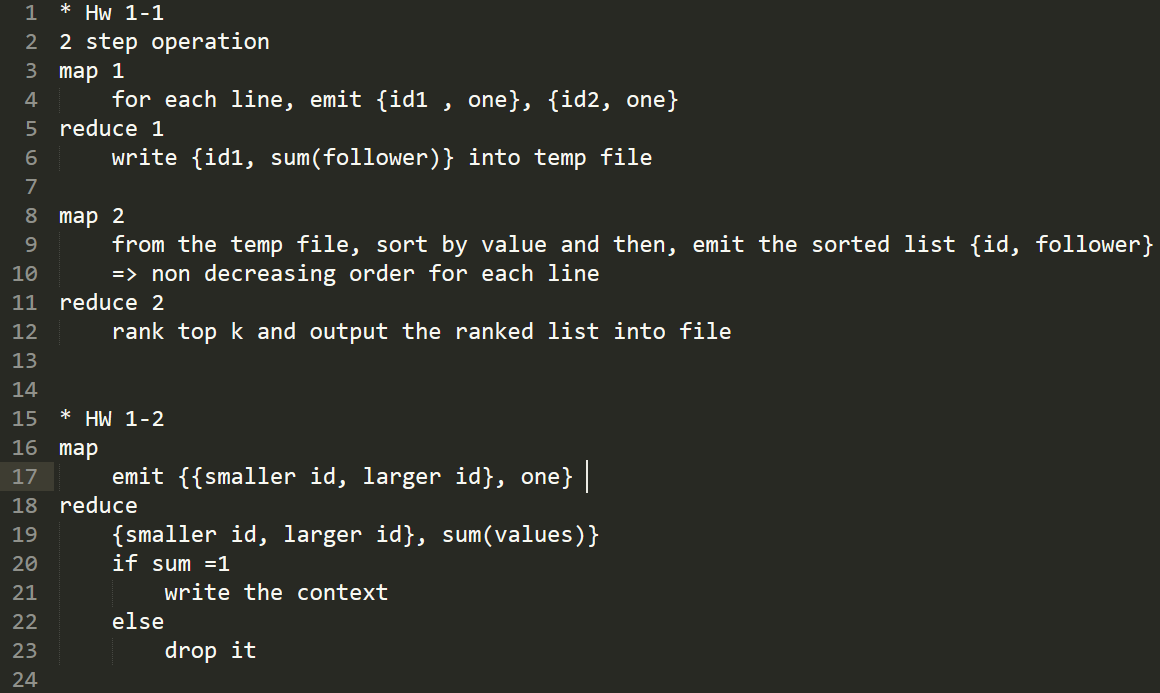
Window 10 Education

Intel Core i3-4150 CPU 3.50GHz

RAM 8.00GM 64 bit

Ubuntu 16.04 (using vmware)

* Brief Description



* Detailed Process

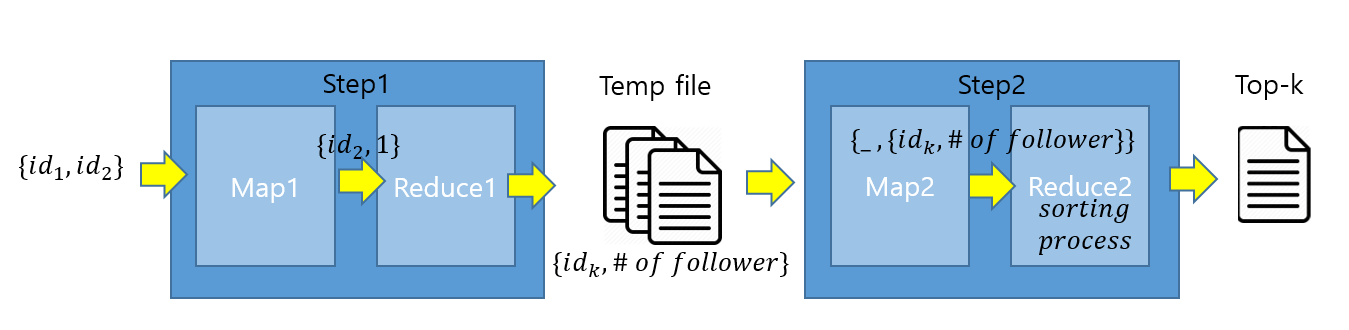
Hw1-1 …

Social Network dataset consists of {, } pairs. It means follows .

So, # of id1’s follower ++, if there exist id1 another’s id in a line.

In this situation, we have to find {, # of ’s follower}

I will show the whole process that finds outputs



Hw1-2 …

Non symmetric friendship dataset consists of {, } pairs. It means follows .

If a relationship becomes a symmetric friendship,

there must be {} and , } in the dataset.

So, in the mapper, if it emits {(, ], 1},

In the Reducer, if there is a symmetric friendship, values is [1, 1]

Therefore, if the sum(values) = 1, the relationship is non symmetric.

I will show the whole process that finds outputs

