Input	Algorithm: map-reduce	Output

Input

Input File

soc-LiveJournal1Adj.txt

Algorithm: map-reduce

flatMap()

Create key-value pairs of friends for each user, the key is the user and the value is a list of friends

reduceByKey()

Aggregate the mutual friends for each user pairs.
If two people have more than 2 mutual friends, they are added as recommendations to the user

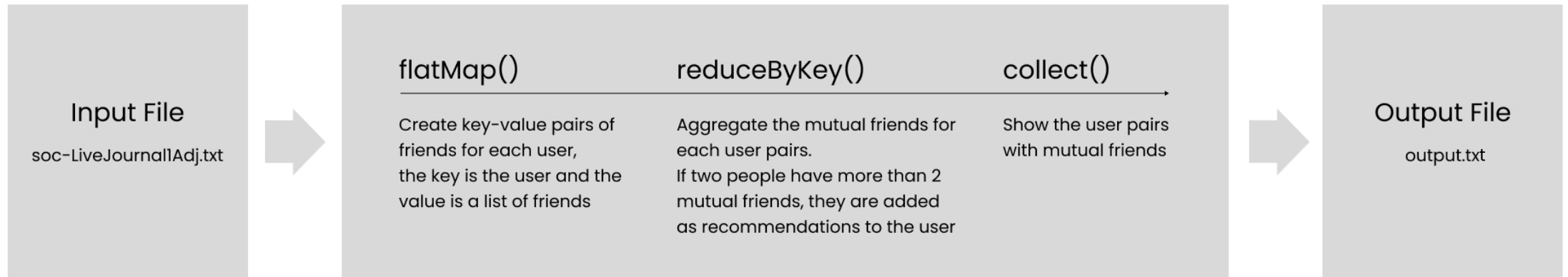**collect()**

Show the user pairs with mutual friends

Output

Output File

output.txt

2. Recommendations for the users with following user IDs:

924	439,2409,6995,11860,15416,43748,45881
8941	8943,8944,8940
8942	8939,8940,8943,8944
9019	9022,317,9023
9020	9021,9016,9017,9022,317,9023
9021	9020,9016,9017,9022,317,9023
9022	9019,9020,9021,317,9016,9017,9023
9990	13134,13478,13877,34299,34485,34642,37941
9992	9987,9989,35667,9991
9993	9991,13134,13478,13877,34299,34485,34642,37941