

* Design Twitter

post Tweet (userId, tweetId) \rightarrow add new tweet to that user.

get News Feed (userId) \rightarrow get latest 10

follow (followerId, followeeId) \rightarrow can be a new user.

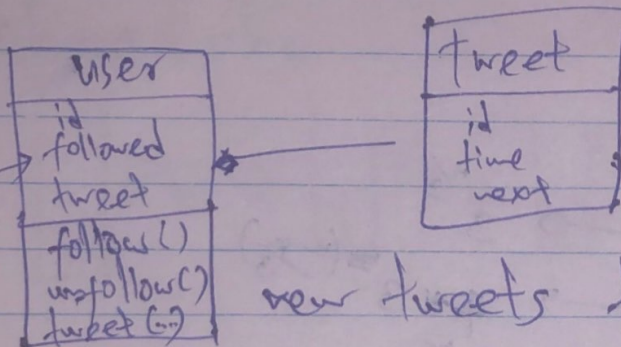
unfollow (followerId, followeeId) \rightarrow

- can be self unfollowing; not allowed
- can be unfollow someone not following; not allowed.

for each user we need to have a list of tweets.

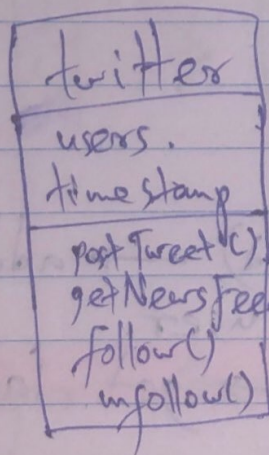
for each user we need a list of followers.

for each tweet we need to maintain some index of that tweet to order by most recents.



user is himself
a follower

new tweets to top of list (linked list)



$O(1)$
 $O(1)$
 $O(\log K)$

use maxHeap to
get latest from content
PriorityQueue $(O_1, O_2) \rightarrow O_2 - O_1$
max Heap.