

Build a dummy twitter database where you can store information of users.

1. Write a python script to create table 'users' having the following schema:
  - a. Rowkey- unique hash of email id
  - b. User details- column family: info (max\_versions=5)
  - c. Followers- column family: followers (max\_versions=5)
  - d. Follows- column family: follows (max\_versions=3)
  - e. Timeline of user- column family: timeline (max\_versions=3)
  - f. In timeline top 20 most recent tweets to be shown
2. Write a python script to create table 'tweet' having following schema:
  - a. Rowkey- unique hash of email id: epoch timestamp
  - b. Column family- message (max\_versions=5)
  - c. Column family- userHandle (max\_versions=5)
3. Perform the following operations using HappyBase.
  - a. Add user function to add a user info `addUser(twitterHandle,info)`
  - b. Follow a user by creating function `followUser(sourceHandle, destHandle)`
  - c. Add a new tweet using `addTweet(twitterHandle,tweetMessage,twitterEpochtimestamp)` function
  - d. Unfollow a user `unfollowUser(table, sourceHandle, destHandle)`
  - e. Find whether a user A follows user B or not `findFollow(table,sourceHandle,destHandle)`