

# SOCIAL NETWORKS

Implement some of the features found in social networking websites like Facebook

You need to write a program that will read a file having the following format. Each line of the file will start with a person's name, followed by a colon, and then a comma separated list of his/her friends' names, ending with a period, like this:  
Charlie: Snoopy, Linus, Lucy

Your program can assume that the file is correctly formatted, and that names will not contain spaces. Further, friendships can be “unidirectional” – Charlie can have Linus as one of his friends, but this does not mean that Linus should have Charlie as one of his.

The user will specify the filename to be read. After the file is read, ask the user which of the following he would like to know (and show the appropriate output):

1. Which person has the most friends?
2. Asking the user for names of 2 friends, how many friends do they have in common?
3. Asking the user for the name of a person suggest a friend for that person.