

Maps Lab

Due Friday April 24 by 10 pm

Goal

Your goal for this lab is to get a list of a person's friends, who are of type `Person`, who are older than them.

Process

1. Define a list of at least 6 people given a predefined `Person` class.
2. For each person, define a list of their friends, who are also of type `Person`. At least one person should have no friends (represented by `Null`), and at least one person should have more than one friend.
3. Define a map of each person to their friends. To be specific, you should have a map where the keys are of type `Person` and the values are a list of their friends.
4. Define a function `getOlderFriends` that takes a `Person` and the mapping as arguments and returns a list of that person's friends that are older than them. For example, if Ryan who is 21, Kylan who is 21, and Joey who is 22 are all friends, then `getOlderFriends(ryansObject, yourMap)` should return a list containing only Joey's object and `getOlderFriends(joeysObject, yourMap)` should return an empty list.

Deliverables

Please turn in your `main.java` file that defines the list of people and their friends, and the function `getOlderFriends`, which should work on a general `Person` and mapping of friends. Email the main Java file to knstewar@calpoly.edu before Friday April 24th at 10pm.