

Maps Lab

Goal

Your goal for this lab is to get a list of a person's friends 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 java code that defines the list of people and their friends, and the function `getOlderFriends`, which should work on a general Person and mapping of friends.