

Fitness Exercise

In this exercise you are going to make a program that can show lists of Employees and members of a Fitness Club.

Employees

There are 2 types of Employees:

- Administration personnel
- Instructors

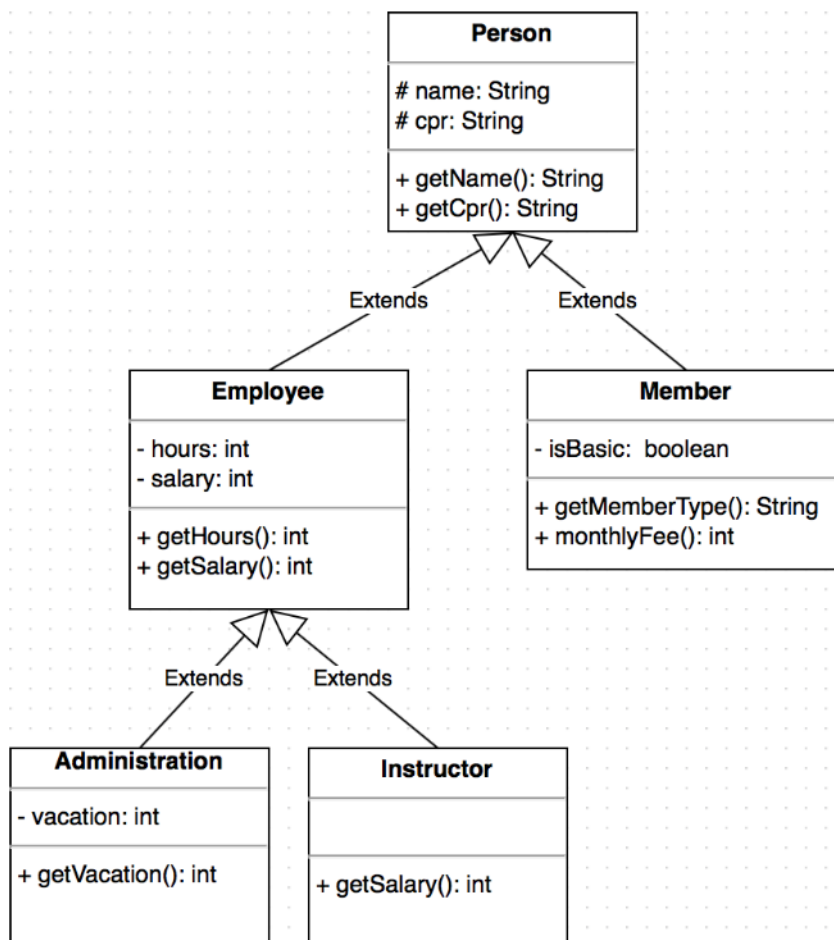
The administration personnel are employed full time (37 hours a week), and all have a fixed salary of 33000kr a month and have 5 weeks of vacation a year.

Instructors are hired on an hourly basis and are payed 199kr per hour. They don't have any paid vacation.

Members

The members can have 2 types of membership

- Basic
- Full The Basic membership costs 199.- a month, and the Full membership 299,-



Expected output

You should make a console program that makes use of inheritance and polymorphism and that can print out something like the following:

FITNESS EMPLOYEES

Name	Cpr	Hours	Salary	Vacation
Claus	221175-1011	37	23000	5
Tove	011080-1014	20	9120	
Anna	011080-1012	37	23000	5
Henning	011080-1014	15	6840	

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FITNESS MEMBERS

Name	Cpr	Member type	Fee
Morten	130195-1303	Full	299
Martin	221175-1011	Basic	199
Martina	050970-1409	Full	299
Marcel	221175-1011	Basic	199

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EMPLOYEES & MEMBERS Name and cpr

Name	Cpr
Claus	221175-1011
Tove	011080-1014
Anna	011080-1012
Henning	011080-1014
Morten	130195-1303
Martin	221175-1011
Martina	050970-1409
Marcel	221175-1011

Hand in

You are allowed to work in groups, but each one of you have to code your own program.

When you have finished your program, you should push it to github and hand in a link to the repository in Fronter. If you have a private repository make sure to invite me as a collaborator (JarlTuxen).

JART 02-02-2021, based on clbo 26-08-2019