

Coding Challenge

for PHP Developers

We ask you to build a simple PHP application around a set of fictional requirements, by investing ideally no more than a few hours of your time. Implement this the same as you would implement a feature in your normal day to day work. Aim for a clean well thought out yet pragmatic design. It allows us to get a feeling for your PHP coding skills and how you engineer solutions.

The Task

The fictional company *Ottivo* wants to determine each of its employee's yearly vacation days for a given year.

Requirements:

- Each employee has a minimum of 26 vacation days regardless of age
- A special contract can overwrite the amount of minimum vacation days
- Employees ≥ 30 years get one additional vacation day every 5 years
- Contracts can start on the 1st or the 15th of a month
- Contracts starting in the course of the year get 1/12 of the yearly vacation days for each full month

List of employees:

Name	Date of Birth	Contract Start Date	Special Contract
Hans Müller	30.12.1950	01.01.2001	
Angelika Fringe	09.06.1966	15.01.2001	
Peter Klever	12.07.1991	15.05.2016	27 vacation days
Marina Helter	26.01.1970	15.01.2018	
Sepp Meier	23.05.1980	01.12.2017	

For your solution, please implement a **command line script** that takes the year of interest as an input argument and outputs the employees names with the respective number of vacation days.

Please avoid using a database to store the employees and include a README file documenting how to setup and run the command as well as its tests. If you feel that there are ambiguities in the requirements, feel free to make assumptions and also document them.