ottonova

Coding Challenge
for PHP Developers

To get a good feeling of how you engineer solutions, we kindly ask you to build a **PHP command line application** around a set of fictional requirements.

Aim for a well thought out yet pragmatic design.

We value a lot the time you spend in solving our coding challenge — please invest **no more than a few hours**.

Please send us the solution **as a ZIP file by email**.

The Task

By providing a command line script, please enable the fictional company *Ottivo* to determine each of its employees' yearly vacation days for a given year.

The script should take the year of interest as its only input argument and output the name of each employee along with the respective number of vacation days for the given year.

Requirements
- Each employee has a minimum of 26 vacation days
- A special contract can overwrite the minimum amount of vacation days
- Employees with an age >= 30 years get one additional vacation day every 5 years of employment
- Contracts may start on the 1st or 15th of the month
- Contracts starting during 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	30.12.1970	01.01.2001	
Angelika Fringe	09.06.1976	15.01.2001	
Peter Klever	12.07.1991	15.05.2016	27 minimum vacation days
Marina Helter	26.01.1970	15.01.2018	
Sepp Meier	23.05.1980	01.12.2017	

Please note
- Avoid setting up a web application
- Avoid using a database to store the employees
- Include a README file documenting how to setup and run the command as well as its tests
- Any 3rd party package might be used to support your solution, but avoid including the vendor packages in the final ZIP file
- If you feel that there are ambiguities in the requirements, feel free to make assumptions and document them in the README