

FUNDAMENTALS OF ALGORITHMS AND PROGRAMMING

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01 – Class - revision

Exercise 1.

Write a declaration of the `Worker` class in which we store the following information about the worker (as private fields):

- `name`
- `surname`
- `salary` // represents his basic monthly salary
- `overtimeHoursNumbebr` // represents number of overtime hours
- `perHourPayment` // represents payment per 1 overtime hour

The class contains the following public methods:

- constructor setting the private class fields based on its parameters
- method for setting private class fields in accordance with the values of its parameters
- method displaying all data on the screen
- method `calculatePaymentOvertime` that calculates and returns the payment that the worker should receive for all overtime hours
- method `sumSalaryAndOvertime` that calculates and returns the total salary (sums of salary and payment for overtime hours)
- method `giveRise` that allows to give a rise to the worker (increases his basic monthly salary by value given as its parameter)
- method `returnSalary` that returns value of the private class field `salary`
- method `addNextHour` that adds 1 to the number of overtime hours
- method `resetOvertimeHours` that sets the number of overtime hours to 0