Part I: Practice and Theory

The following problems are for practise only and will **not be collected**.

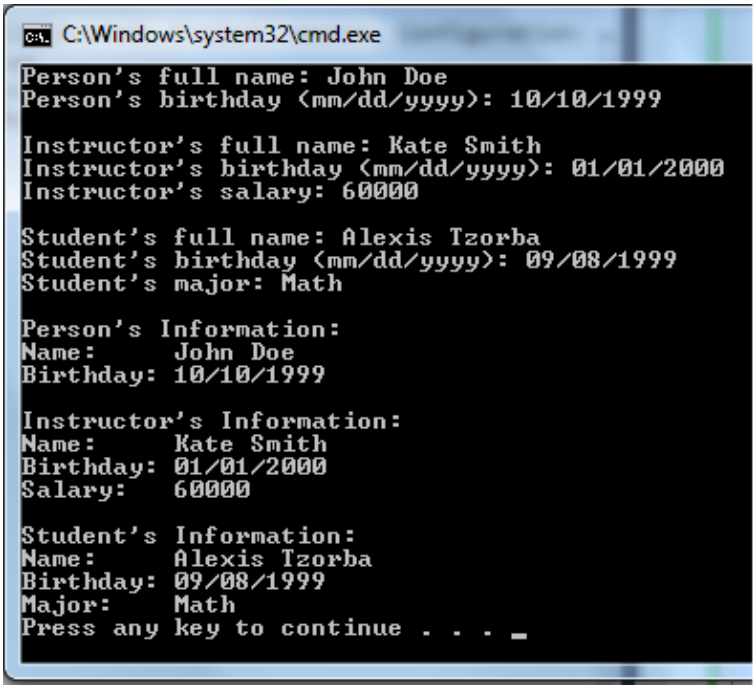
Review problems: R8.1-R8.8.

Practice Problems: P8.3, P8.4, P8.6.

Part II: Programming. The following problems will be **collected** and both of them graded. Each graded problem will be worth 25 points. Read instructions carefully!

(1) **Problem P8.2**.

- Implement classes `Person` , `Student` and `Instructor` described in Problem P8.2. Then write a program that reads 1) a name and a birthday for a `Person`, 2) a name, a birthday and a salary for an `Instructor`, and 3) a name, a birthday and a major for a `Student`. Then use the member functions `print()` to print out the information about each person on the screen.
- Submit the solution as `hmw_2_1.cpp`
- Sample output:



(2) **Problem P8.7**.

- Following the instructions in Problem P8.7 implement the a base class `Appointment` and derived classes `Onetime`, `Daily`, `Weekly`, and `Monthly`.
- Don't forget about leap years. See the algorithm https://en.wikipedia.org/wiki/Leap_year. You can assume that the year of any date is greater then 1582, and so the wiki-formula applies.
- You can assume that the input is always valid.
- Submit the solution in the file named `hmw_2_2.cpp`
- Sample output: