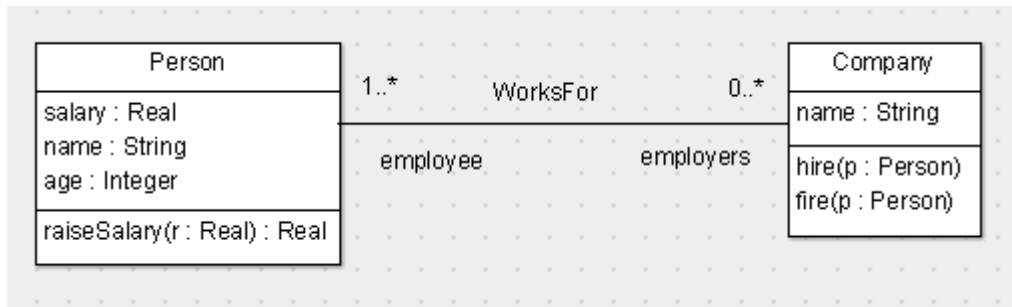
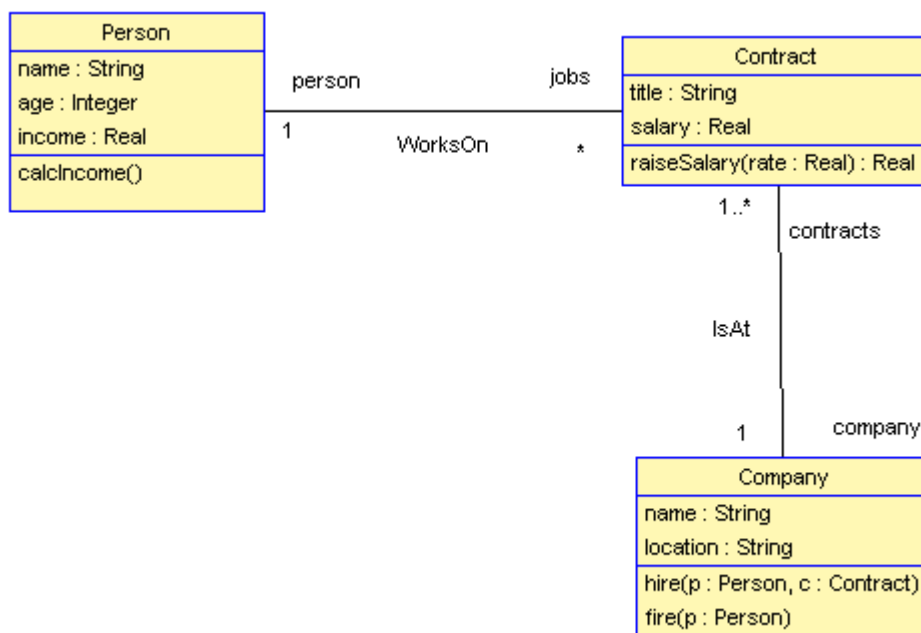


USE Modelling Task

You are required to elaborate/refactor the class diagram below by adding an extra class, possibly Job or Contract. You may have to move attributes.



One possibility is:



Keep all the OCL constraints from your previous model except the `isDefined()` ones and modify them for this. You may need to add new ones.

In addition make sure that the OCL includes constraints to ensure that:

- a person can only work 1 job at a given company (but may have several jobs as indicated in class diagram)
- on being hired, a person's salary for that job should at least be 20000 (pre or post condition?)
- after `hire(p, c)` being executed, `p` is linked to the company thru `c`
- only persons aged 21 or older can get a salary increase

Objects are to be created to test all the constraints. Save your USE model in [employee2.use](#), the objects SOIL instructions to [employee2.soil](#) and save all your testing to [employee2.txt](#).

Demo the model to your lab instructor.