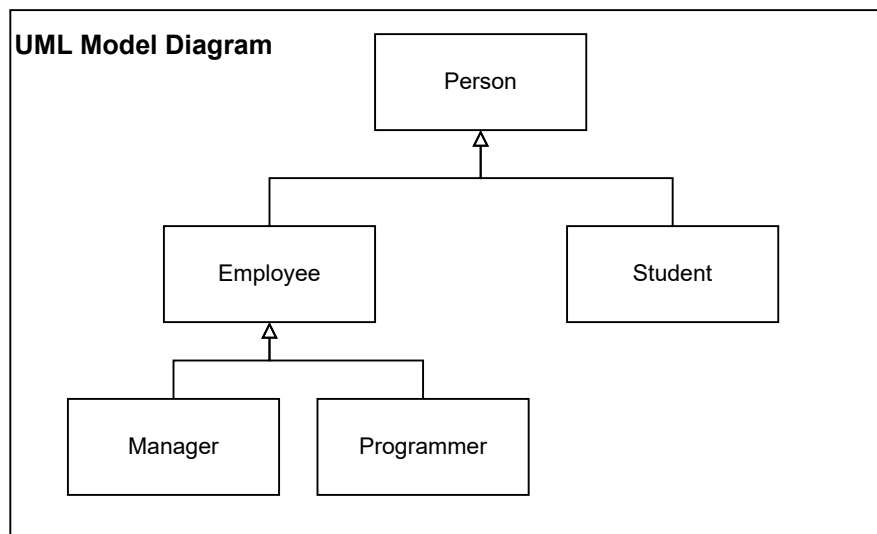


Class Inheritance Lecture

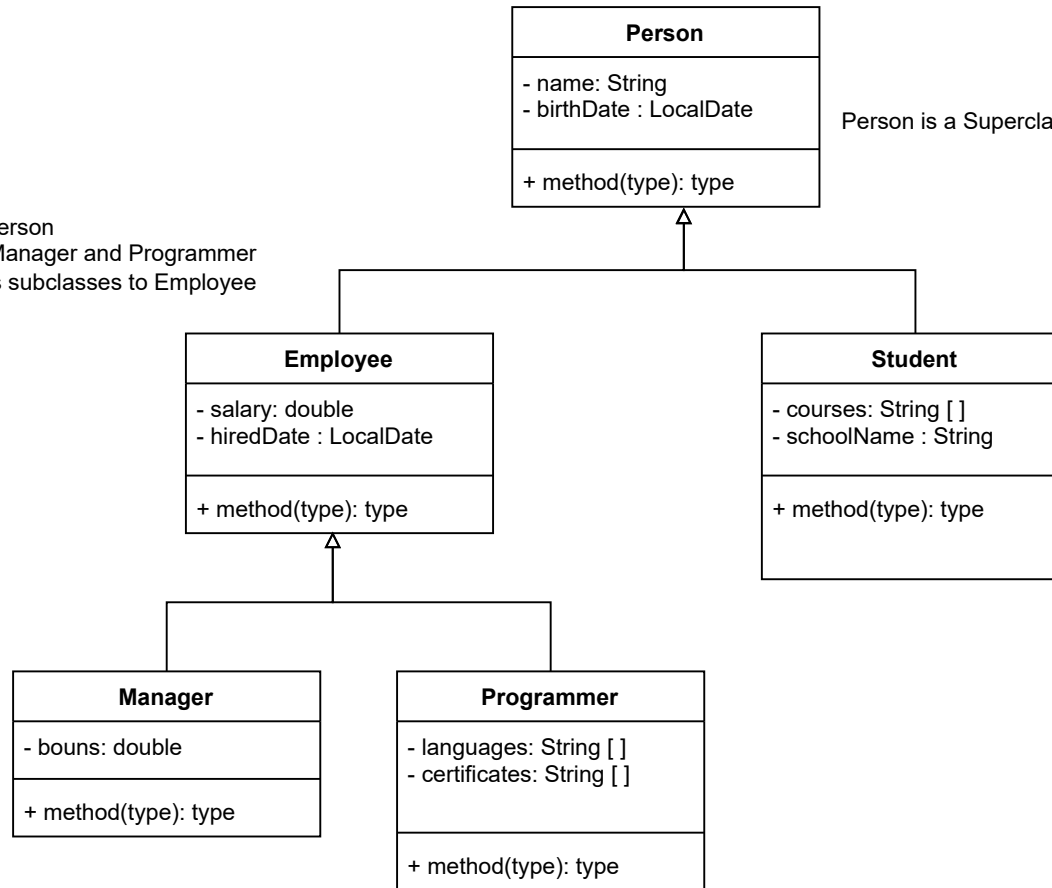
Universal model language



Employee Is A Person
Student is A Person
Manager is an employee
Programmer is an employee

UML Model Diagram

Employee is a subclass to Person
Employee is Superclass to Manager and Programmer
Manager and Programmer is subclasses to Employee



Person is a Superclass (Parent) of Employee and Student

Student Is a Subclass (child) of Person

UML Object Diagram

mikeTheManager:Manager

name = "Mike"
birthDate = "1990-03-15"
salary = 30_000
hiredDate = "2000-01-10"
bonus = 5000

tomTheHacker:Programmer

name = "Tom The White Hat"
birthDate = "1976-02-29"
salary = 49_000
hiredDate = "1997-05-01"
languages = {c++, ruby, java, assembly,
 fortran, python, lua, ada}
certificates = {OCA, OCP, OCE, OCM}

maxTheStudent:Student

name = "Max"
birthDate = "2000-07-05"
courses = {"Java", "System Design"}
schoolName = "Lexicon Småland - Väckjö"