- Pab : ext 1 day
- lab8 : ext 1 day

\[ \frac{\frac{1}{1+i}}{1+i} = \frac{1+1}{1^2+1^2} = \frac{-1+1}{2} + \frac{1}{2} i \]

\[ \frac{1-i}{i} = \frac{1}{i} - 1 = -i - 1 = -1 - i \]

Ex. Student
Ex. Employee
In Java, each object "knows" what it is, and how it should be acted upon.

This is called:

- Dynamic method dispatch
- Polymorphism
why use a subclass?

code re-use
Student (or Employee) uses existing tested code from Person.

class hierarchy reflects actual relationship found in problem domain: a student really is a person.
Recall: Access Levels

1.) Public
   accessible to all Java classes.

2.) Protected
   accessible to subclasses of this class.

3.) Package (also called Package/Private)
   default
   accessible to other classes
   in this Package.

4.) Private
   accessible only within this class.
Protected:
accessible within this class and subclasses of this class,
even if that subclass is in another package.

next: Abstract classes