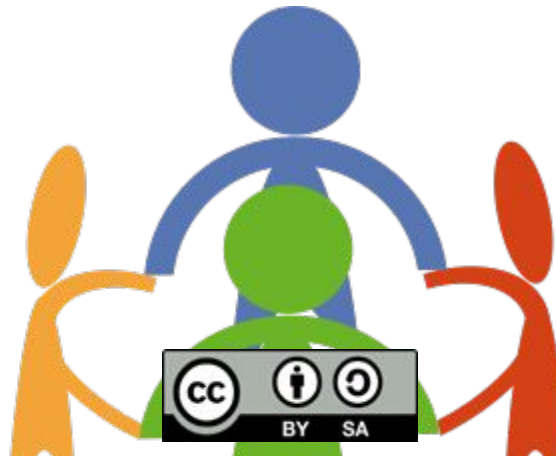


Inheritance: Visibility Modifiers



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by Christine Alvarado, Mia Minnes, and Leo Porter, 2015.

By the end of this video you will be able to...

- Use appropriate visibility modifiers when writing classes

Less Restrictive

public

private

More Restrictive



Less Restrictive

public

can access from any class

private

More Restrictive



Less Restrictive

public

private

can access from same class

More Restrictive



**Rule of thumb: Make member variables private
(and methods either public or private)**

Less Restrictive

public

protected

package

private

More Restrictive

can access from same class
can access from same package
can access from any subclass

Less Restrictive

public

protected

package

private

More Restrictive

can access from same class
can access from same package

Less Restrictive

public

protected

package

private

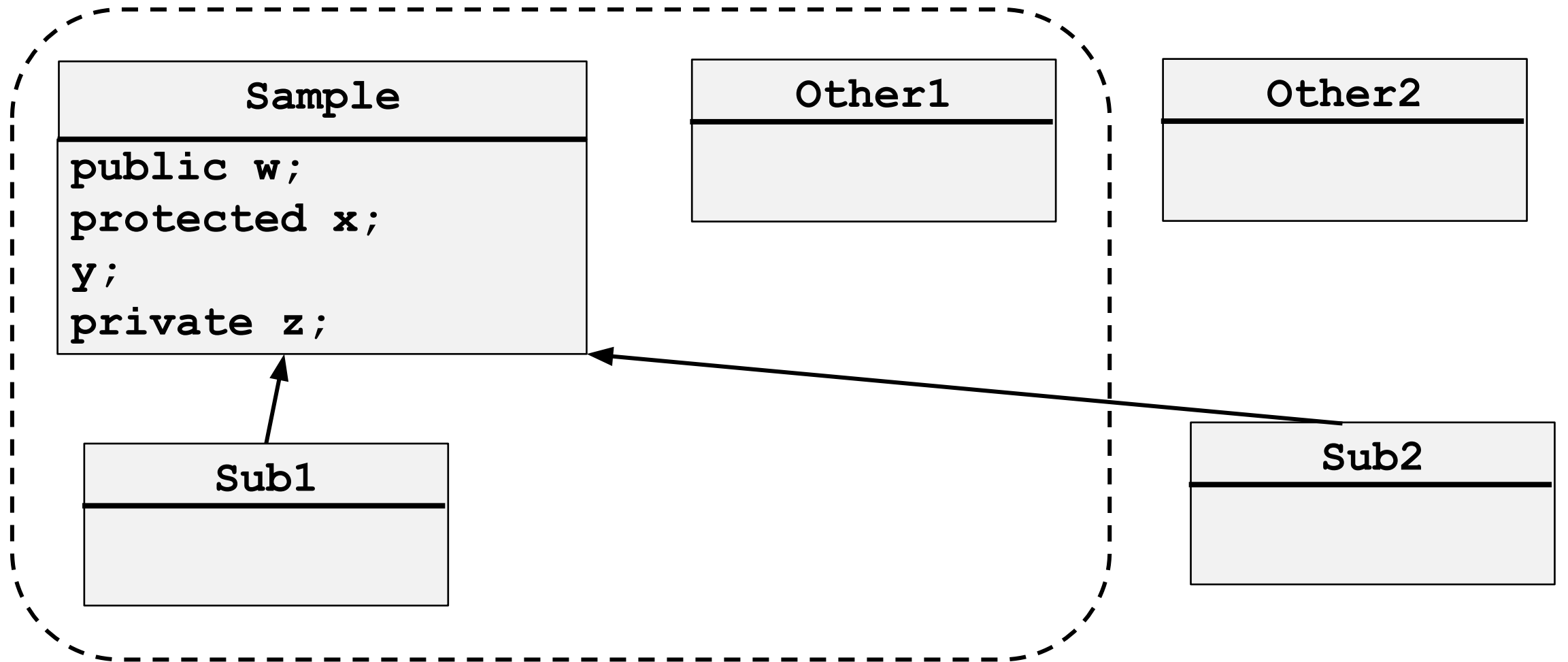
More Restrictive

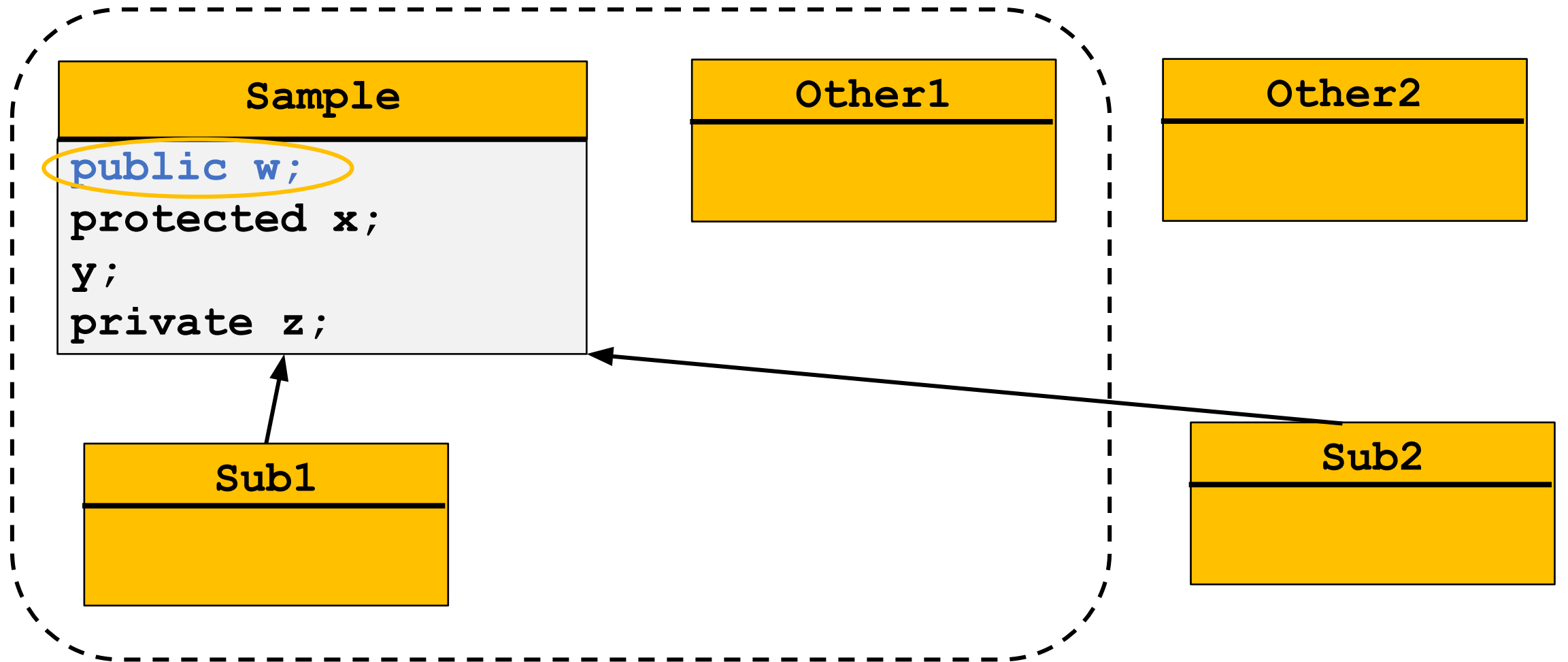
can access from same class
can access from same package

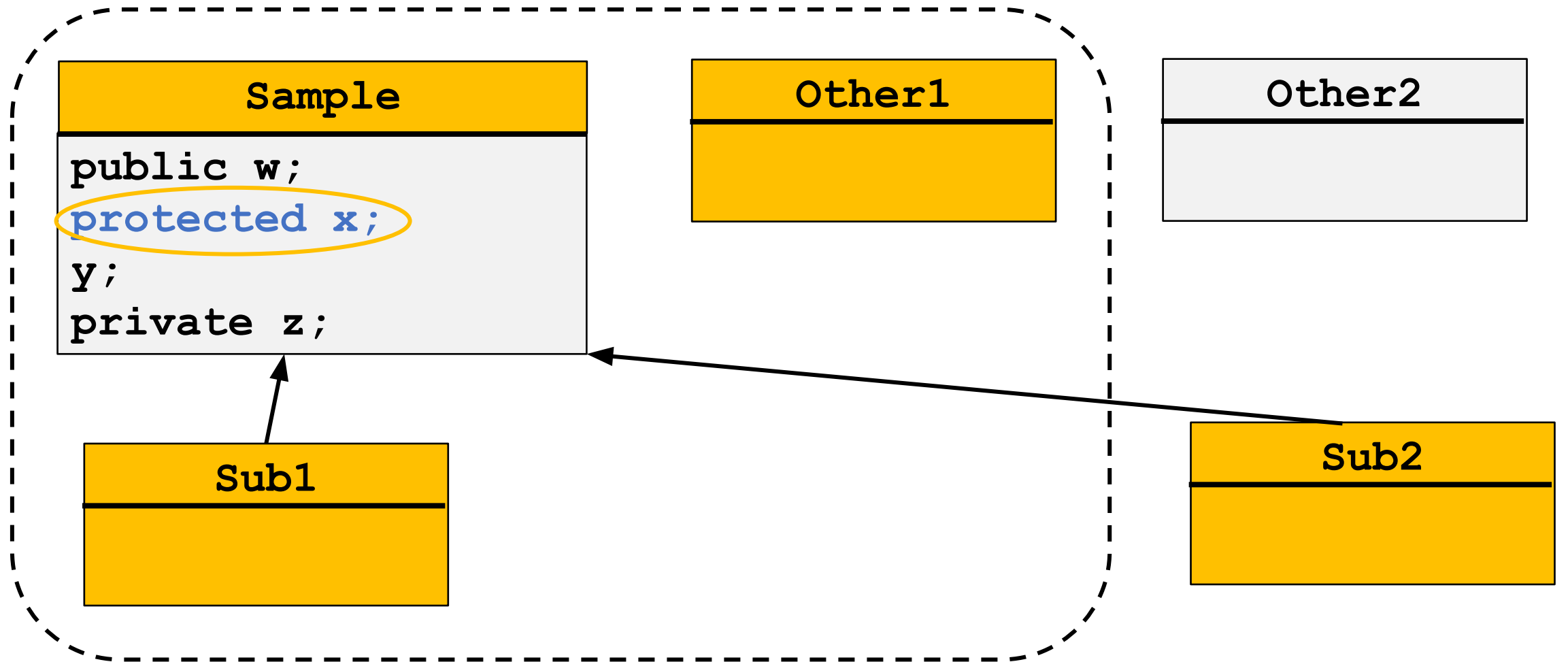
Lose access by
any subclass

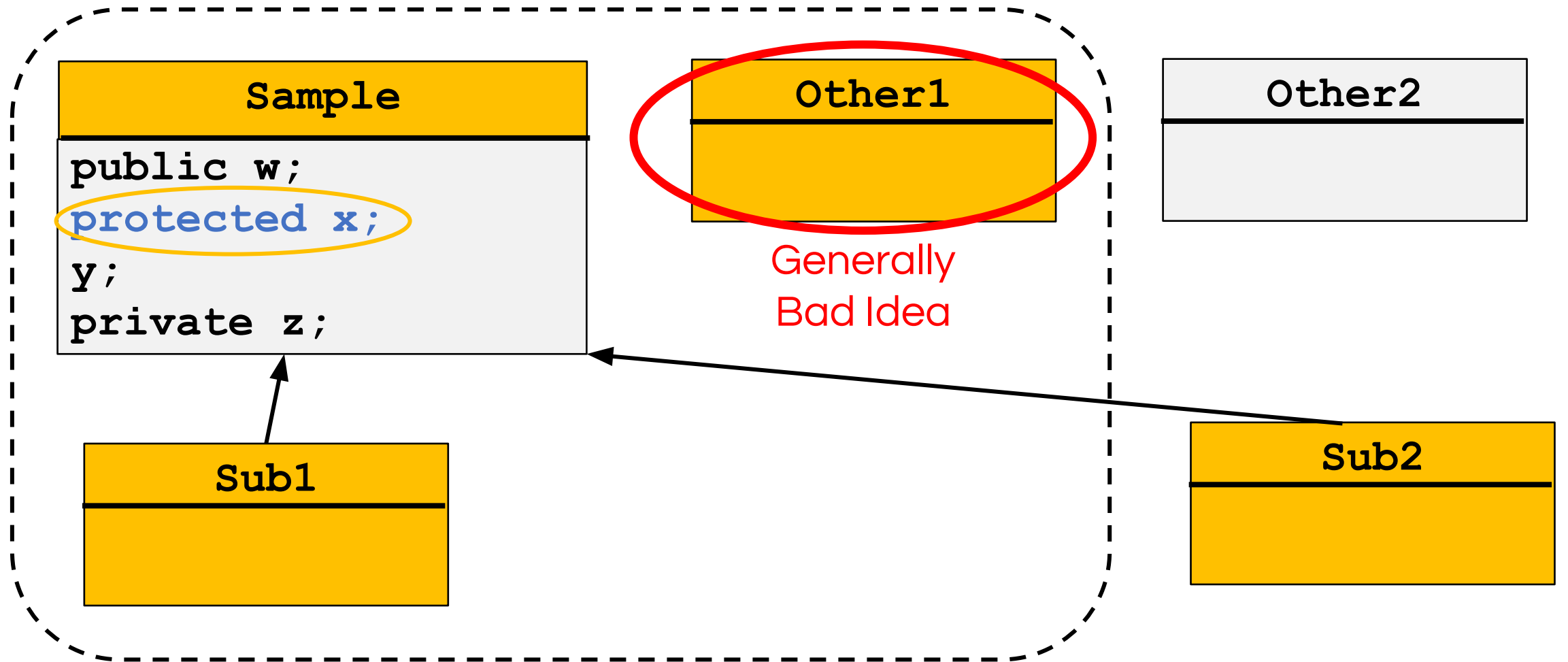
Sample

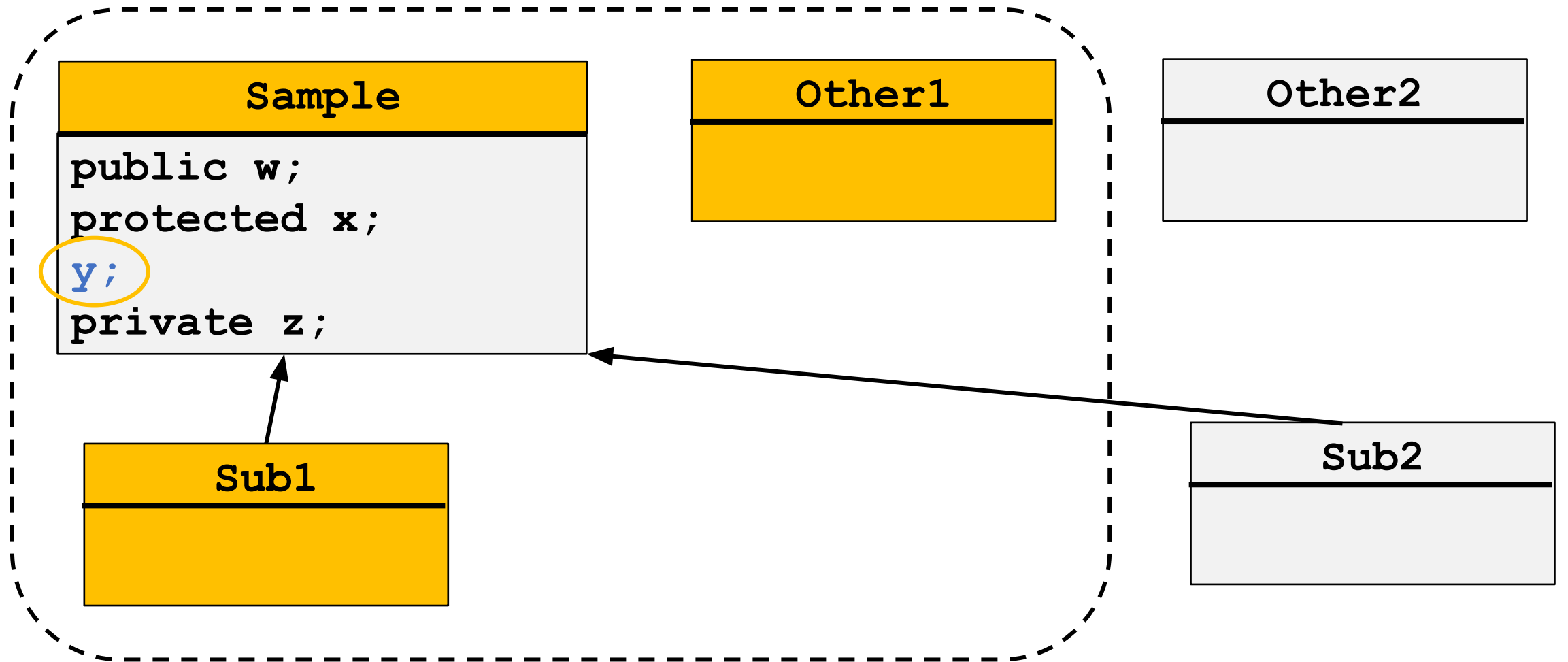
```
public w;  
protected x;  
y;  
private z;
```

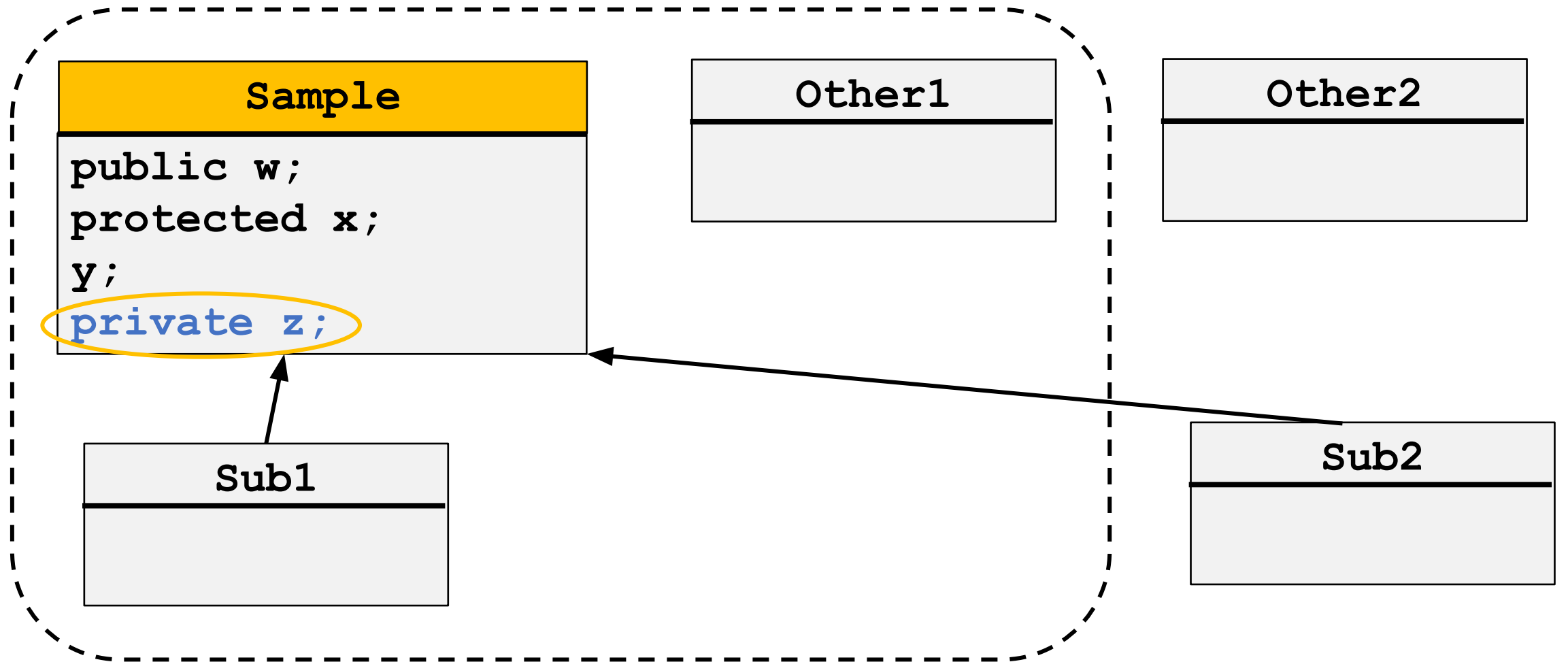












**Rule of thumb: always use either
public or private**

public

protected

package

private

Less Restrictive



More Restrictive