The Two Interfaces in OOP

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Outline

- Some questions
- Two different clients



What are the Consequences of

```
A { private x ; void foo(){ ... x ...} }
```



Consequences

- cannot access x from
- cannot replace x
- cannot extend!

Cannot even copy and paste foo(){ ...} in subclasses!



Clients?

What are the clients of a class?

- Its users (e.g., Person is client of Address)
- but also its subclasse

What do you think about this

Some tutorials mention: Fields should be private

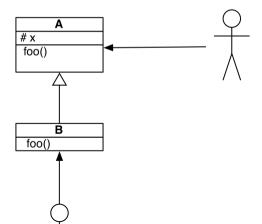


The correct idiom is...

- Fields should be private AND class should provide protected accessors
- OR
- Fields should be protected

Benefits

- Your clients cannot access your fields
- And your subclasses are empowered
 - A subclass can extend/refine the behavior of the superclass





Conclusion

A class has always two clients:

- its users
- its extenders



A course by



and



in collaboration with











