

고급 객체지향 개발론

04. 객체지향

daumkakao
최윤상

“산토끼”의 반대말?

죽은토끼?

들토끼?

알카리토끼?

바다거북이?

“객체지향”의 반대말?

“절차지향”

Procedural Oriented

반대말은 아니지만 OOP 출현의 동기가 되는 기법

절차 지향

vs.

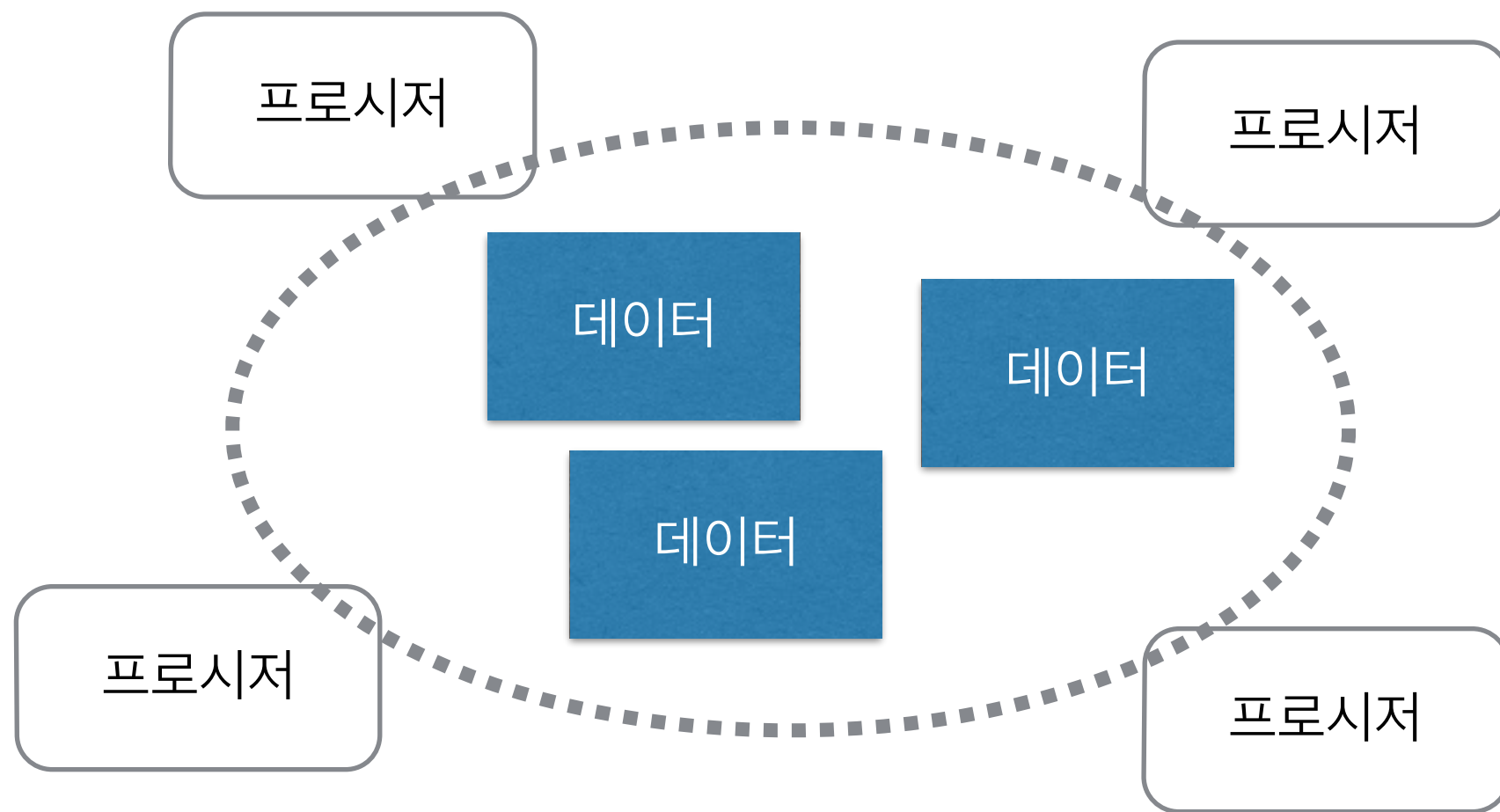
객체 지향

~~절차~~ 지향

전역 데이터와 그 데이터에 대한 프로시저로 구성

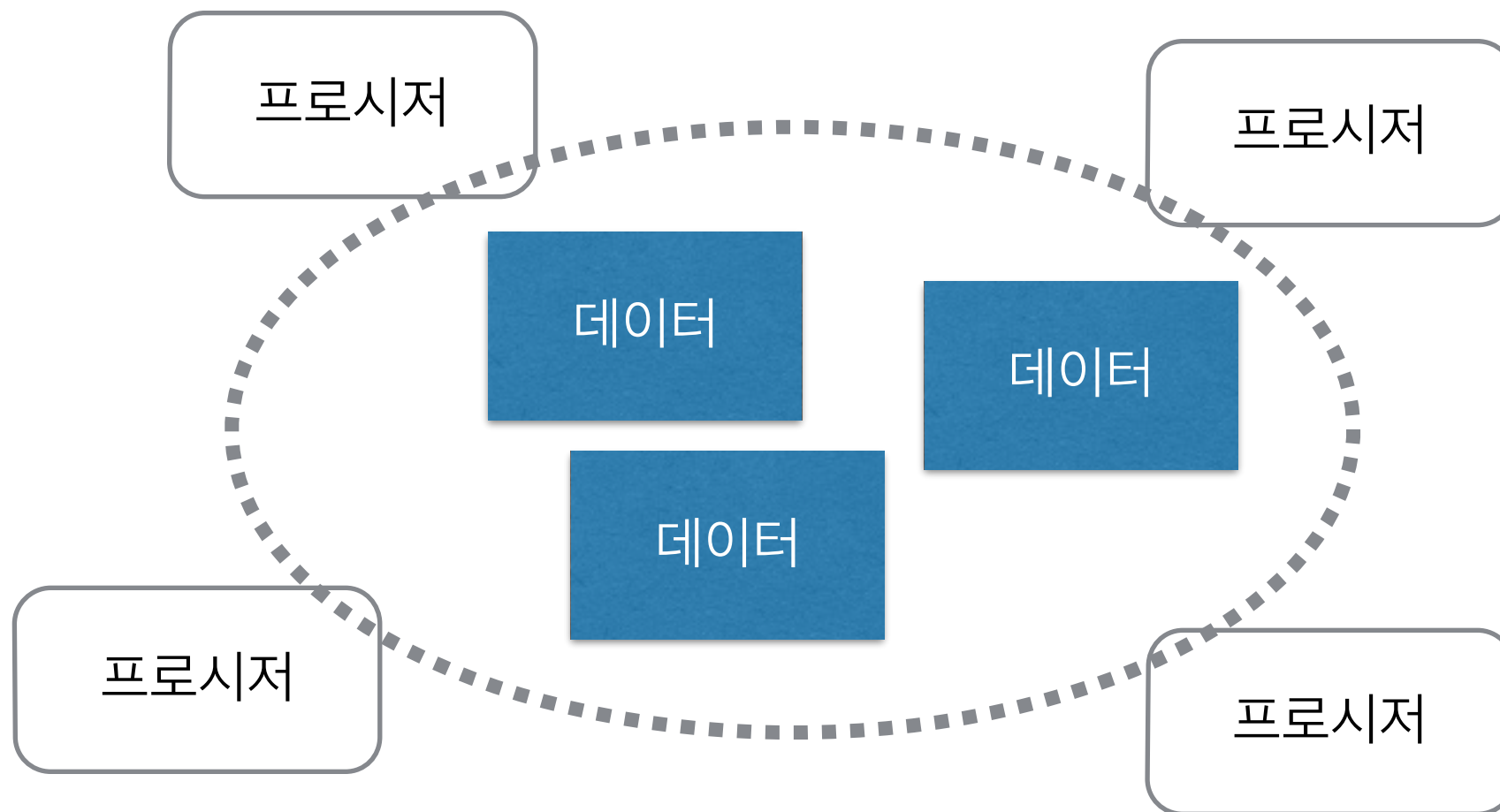
‘절차 지향’이 아니라 ‘프로시저 지향’!

절차 지향



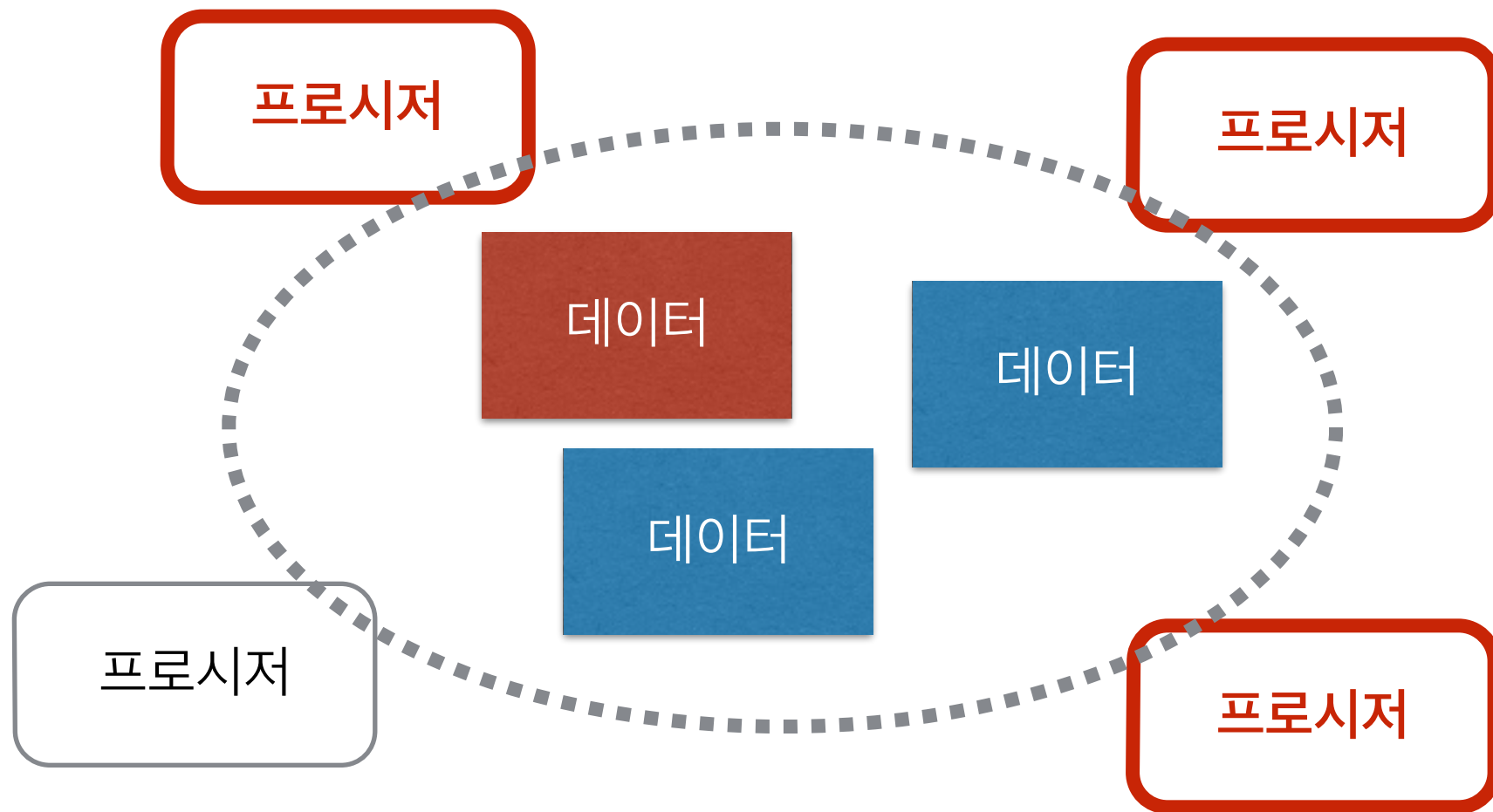
절차 지향

“데이터” 중심의 설계



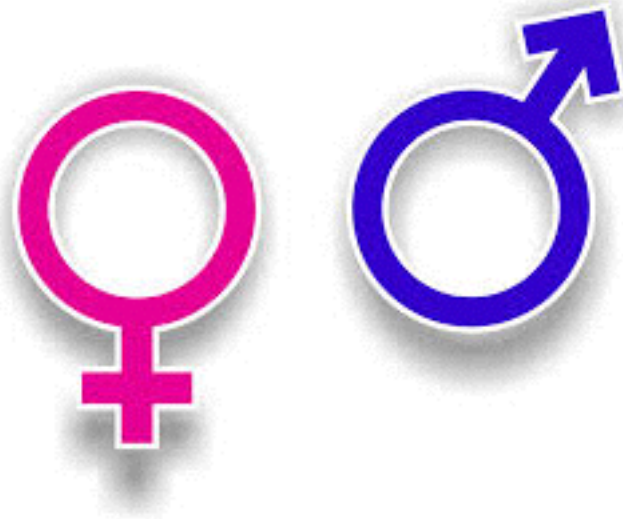
절차 지향의 문제

데이터가 바뀌면?



변경해야 하는 범위가 크다

성별?



성별?

Gender

Custom

Gender

Friends

Ge

Gender Fluid

Gender Variant

Genderqueer

Gender Questioning

Gender Nonconforming

Agender

Bigender

Cisgender

Cisgender Female

Cisgender Male

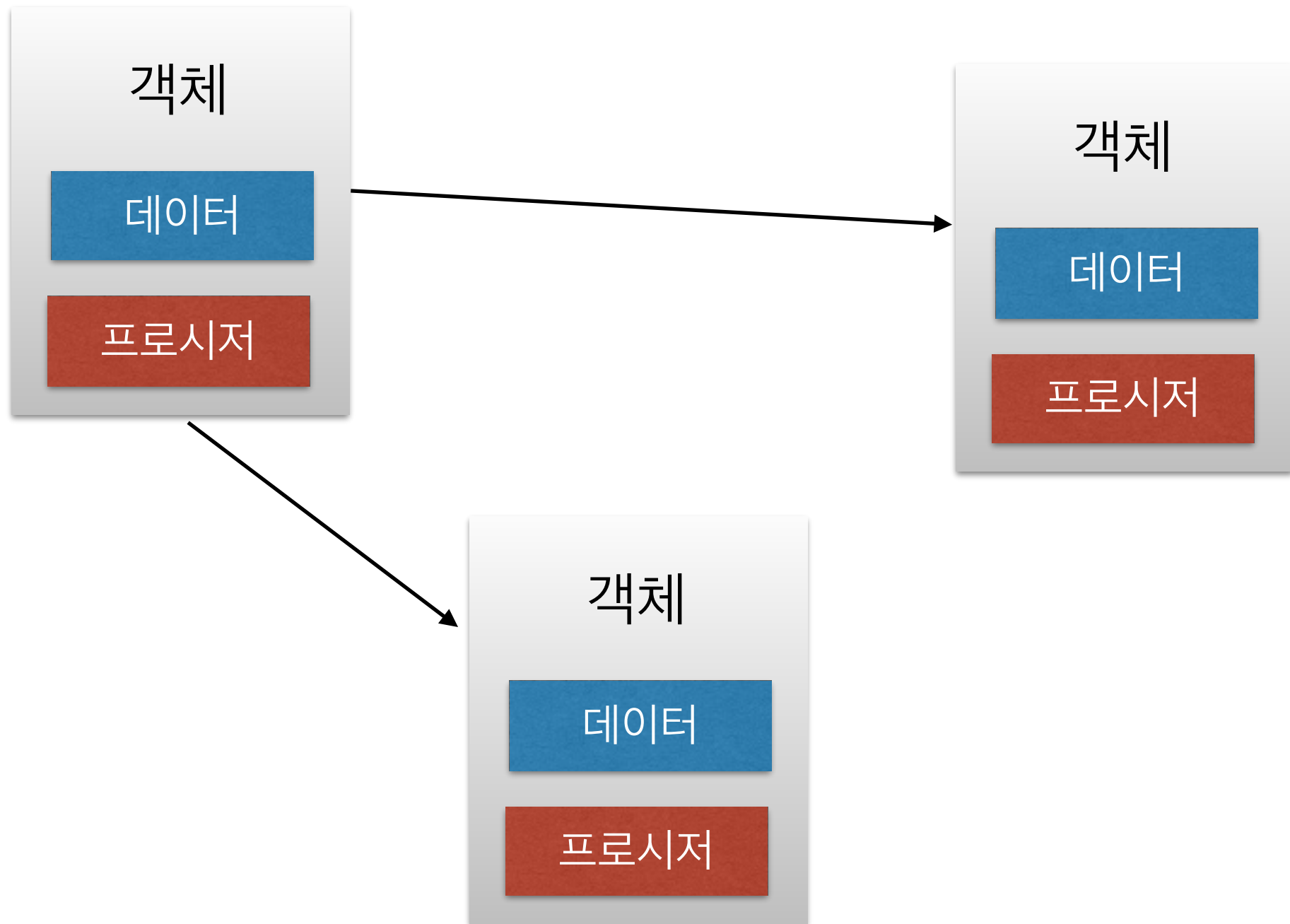
Interested In

☐ Women

☐ Men

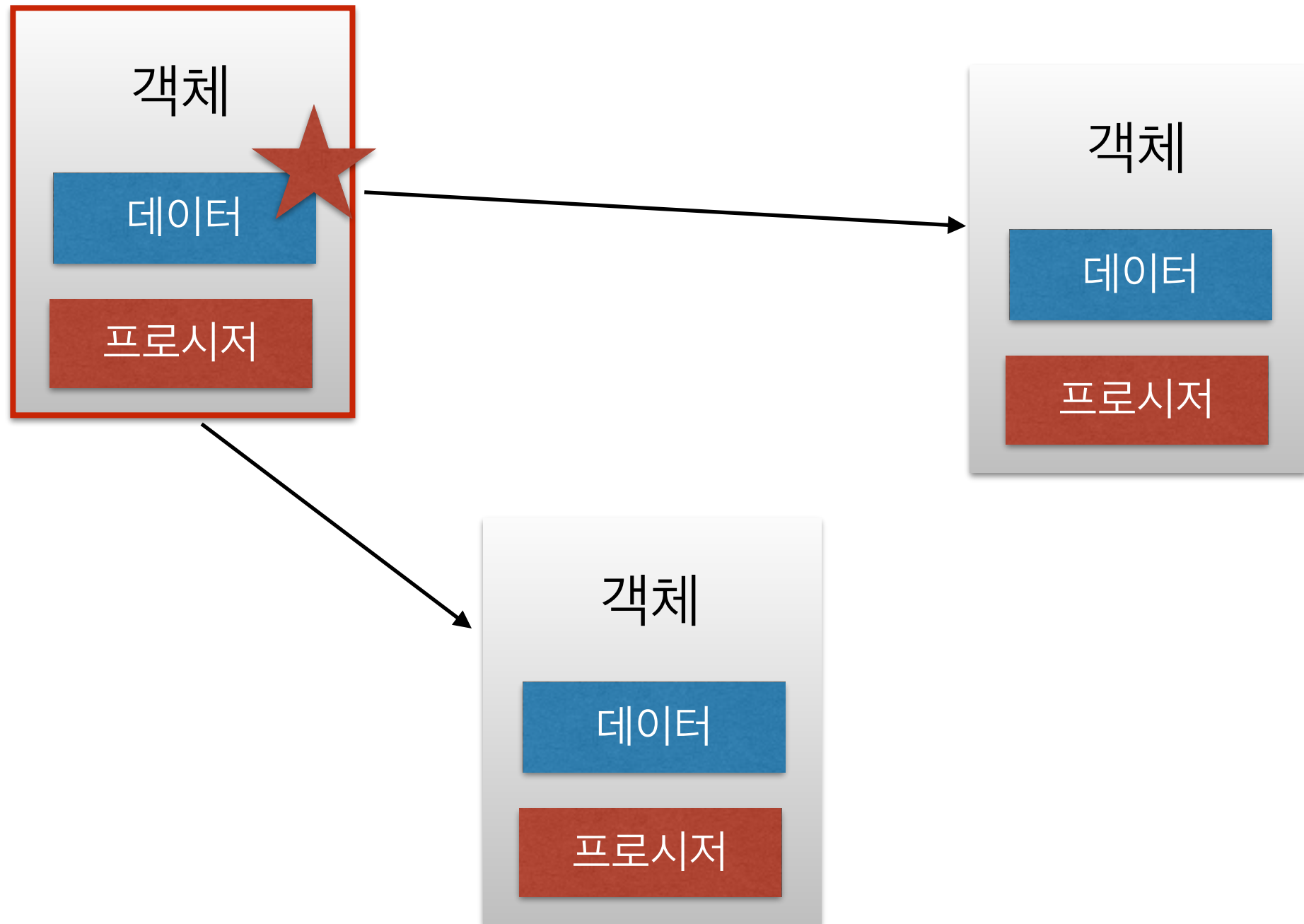
**성별과 관련된
모든 프로시저를 수정해야함**

객체 지향

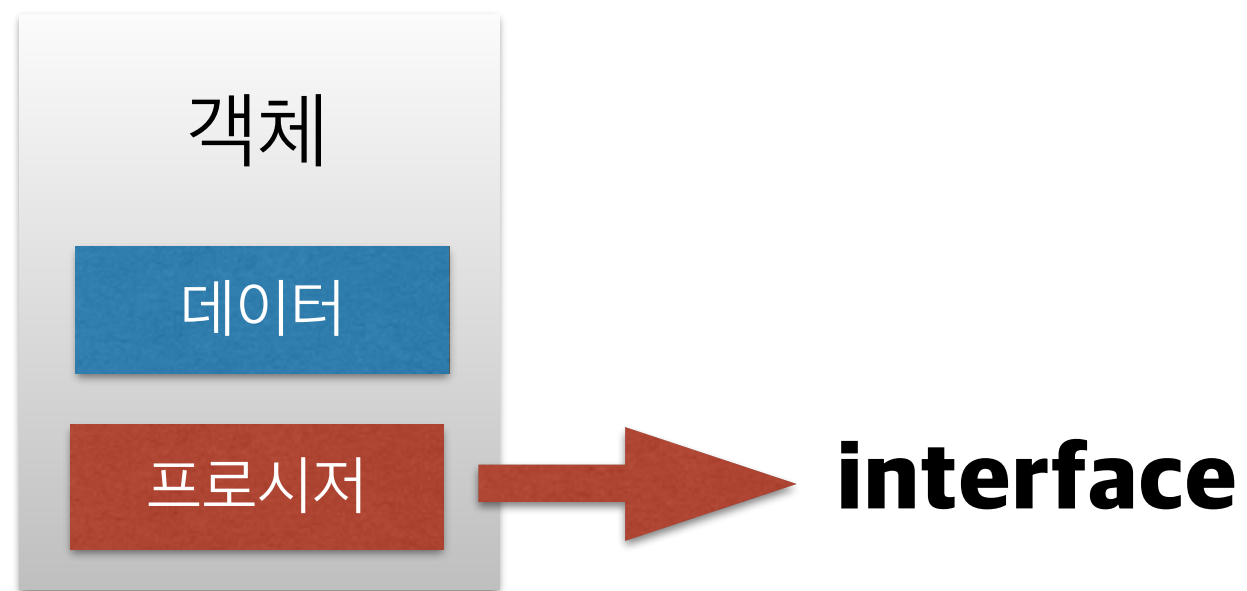


객체 지향

데이터가 변경되어도 변경 범위는 작다



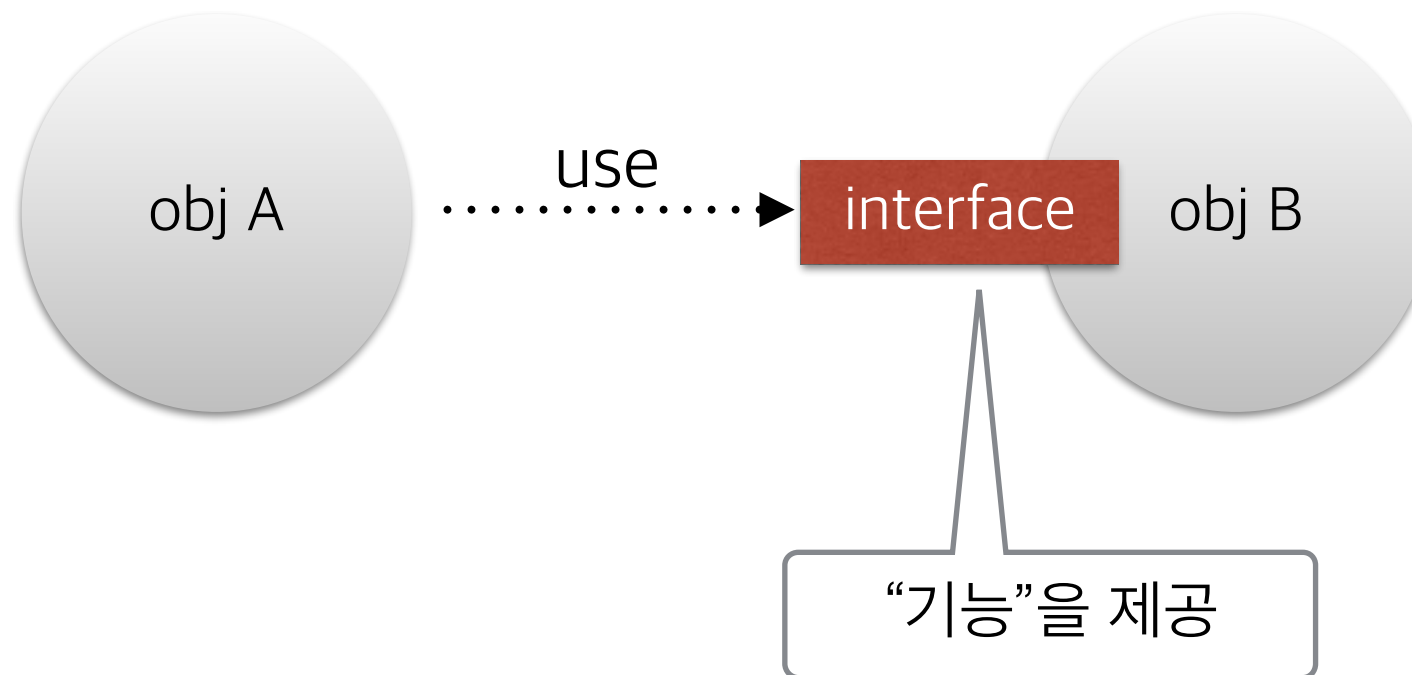
객체 지향



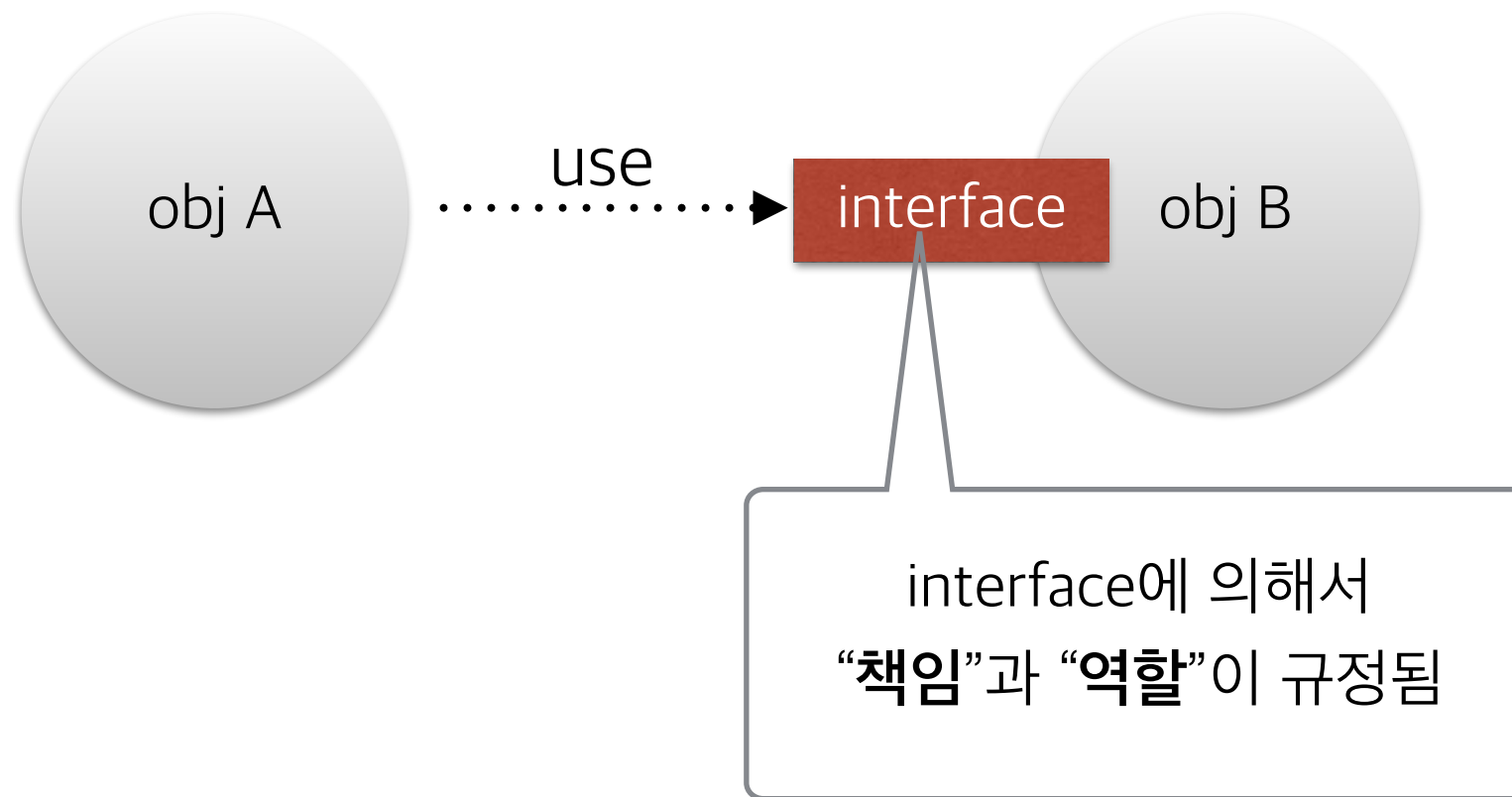
Interface

객체가 제공하는 “기능”

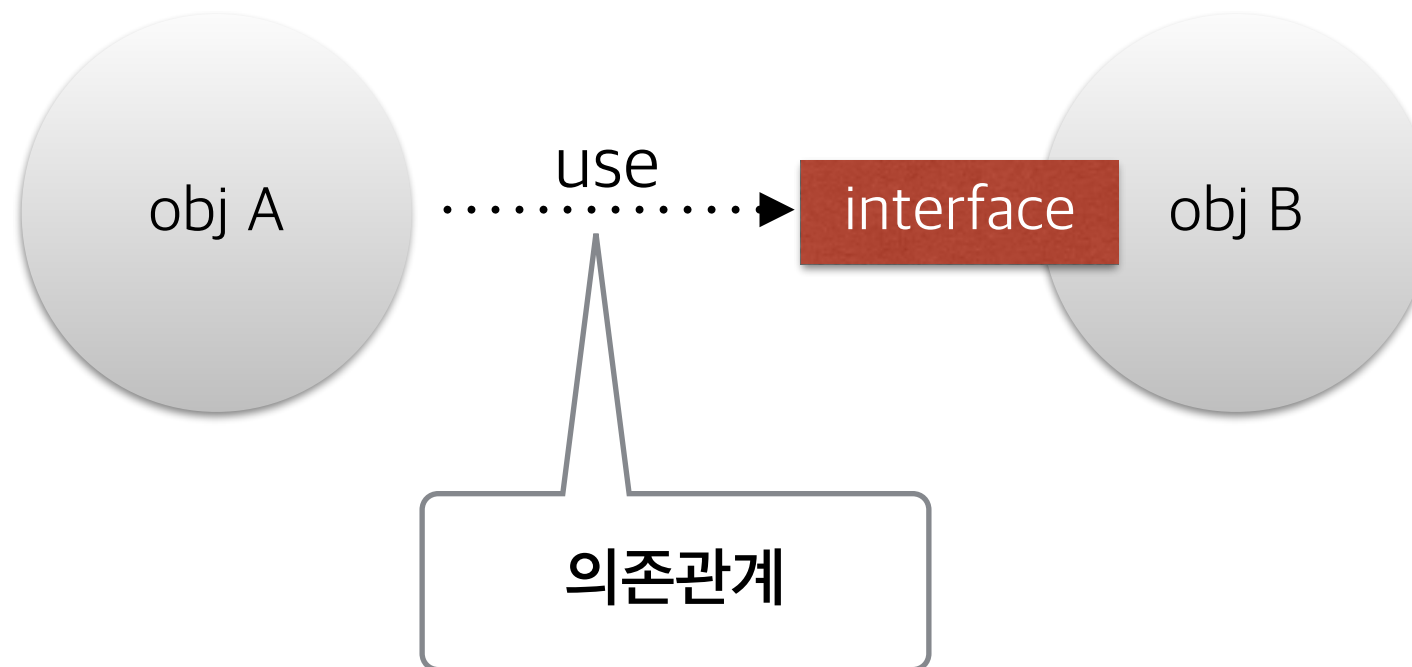
Interface



Interface



Interface



캡슐화

Encapsulation

캡슐화

기능은 interface로 노출되지만
내부적인 **기능구현을 숨긴다!**

캡슐화를 위한 규칙

Tell, Don't Ask

Law of Demeter

Tell, Don't Ask

Procedural code gets information then makes decisions.

Object-oriented code tells objects to do things.

— Alec Sharp

Tell, Don't Ask

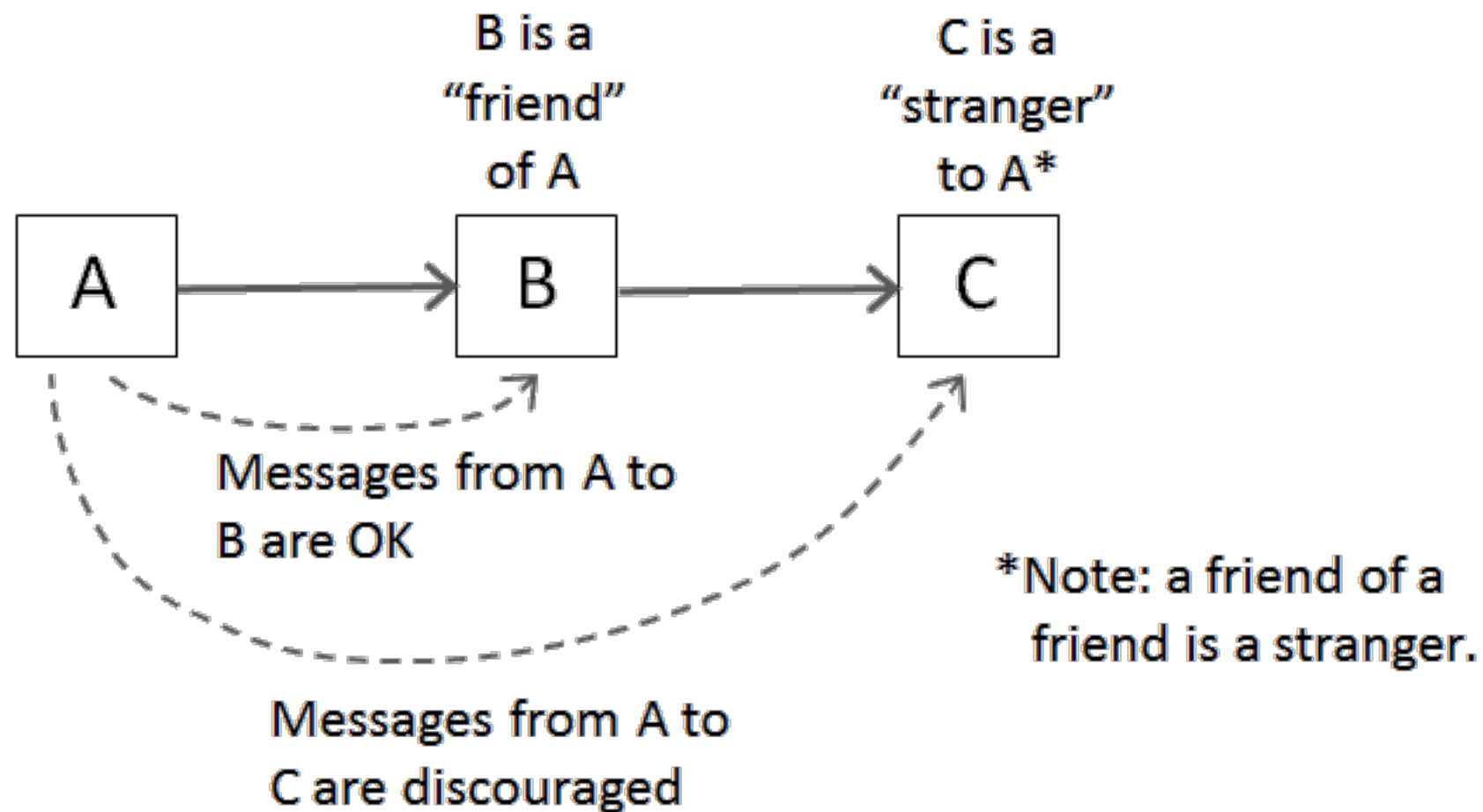


Law of Demeter

- Each unit should have only limited knowledge about other units: only units "closely" related to the current unit.
- Each unit should only talk to its friends; don't talk to strangers.
- Only talk to your immediate friends.

— **Wikipedia**

Law of Demeter



객체지향 설계란

제공할 기능을 정의하고 각 객체에게 책임을 할당하는 과정

객체간의 의존관계를 통제하는 일