

COMP2511

Tute04



Agenda

- Law of Demeter
- Liskov Substitution Principle
- Composite Pattern
- Factory Pattern



Law of Demeter

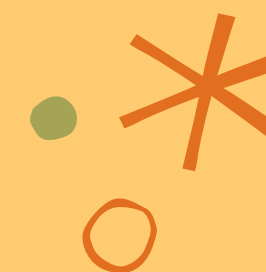
DON'T ASK YOUR FRIEND'S FRIEND,
GET YOUR FRIEND TO ASK FOR YOU
INSTEAD!!! Method M of object O can
use methods of:

- O.
- parameters of M.
- any object created in M.
- O's direct fields.





Training





Do Getters Violate Law of Demeter's

And are getters bad
design?

Liskov Substitution Principle

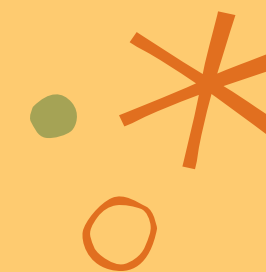
Objects of a superclass should be replaceable with objects of its subclasses without affecting the correctness of the program.


- Can replace superclass with subclass
- MUST MAINTAIN ALL GUARANTEES!!!






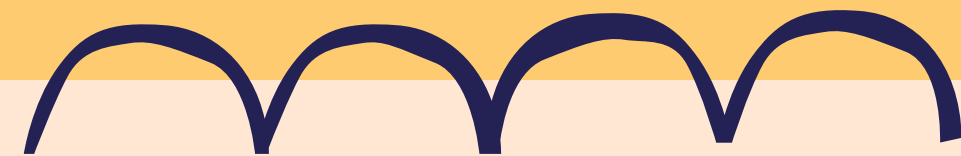
Online Seminar





Composite Pattern





Factory Pattern

