

# Week 12

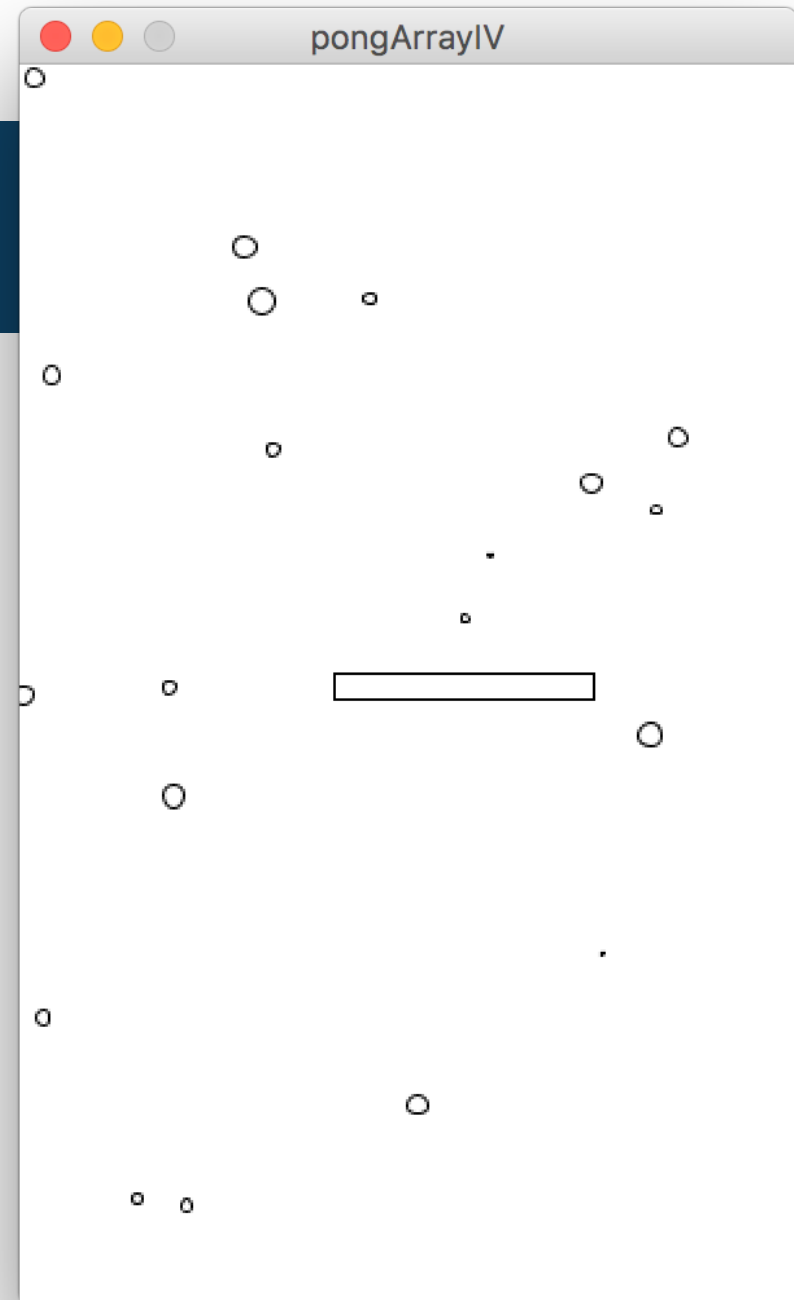
範例程式: <https://github.com/jonesfish/programming101>

# pongArrayIII

1 board : Bar

50 balls : Ball

→ boolean isHit(Bar b)



# 複合物件 Composition

- Car
- truck
- Mammal
- tiger
- dog
- monkey
- koala



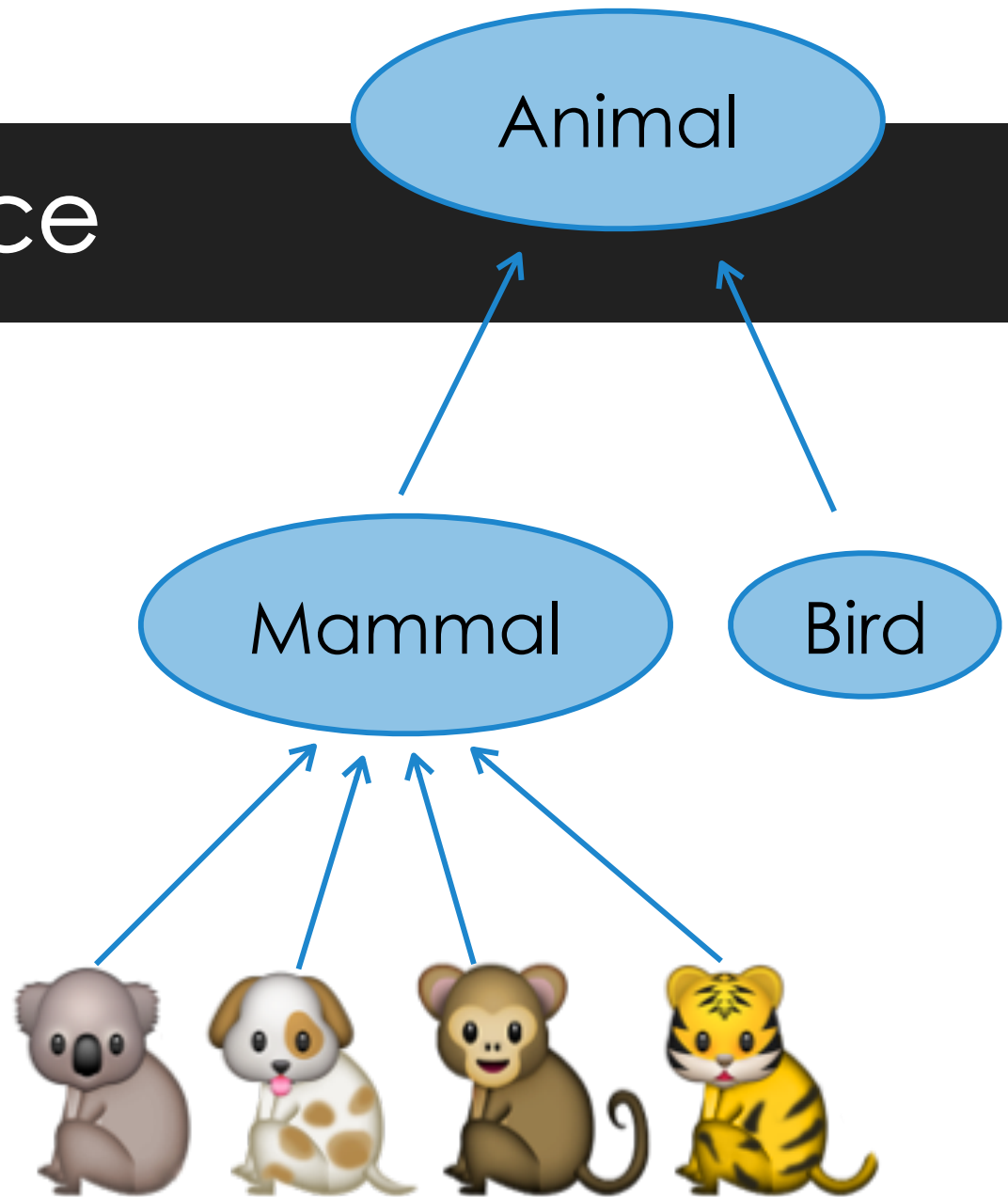
# 複合物件 Composition

- Car has a driver



# 繼承 Inheritance

- ❑ tiger is an Mammal
- ❑ dog is an Mammal
  
- ❑ Mammal is a Animal
- ❑ Bird is a Animal



# 總結

- 物件之間的關係
  - 彼此獨立
  - 複合 (composition)
    - A has B
  - 繼承 (inheritance)
    - parent / child
    - superclass / subclass