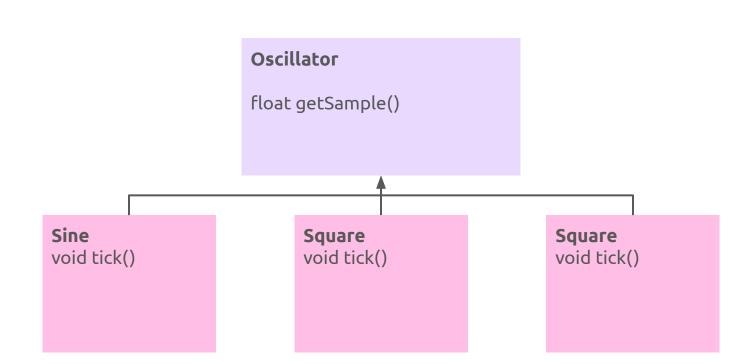
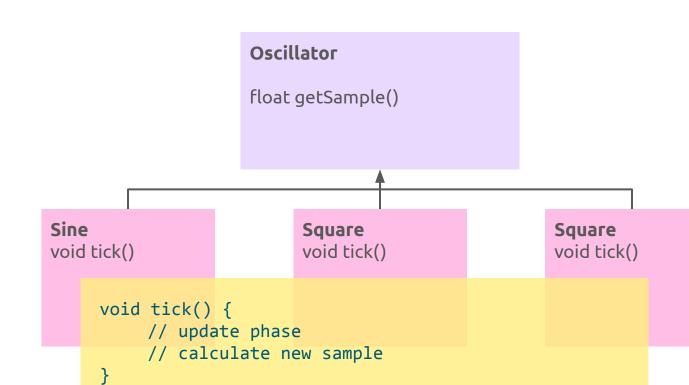
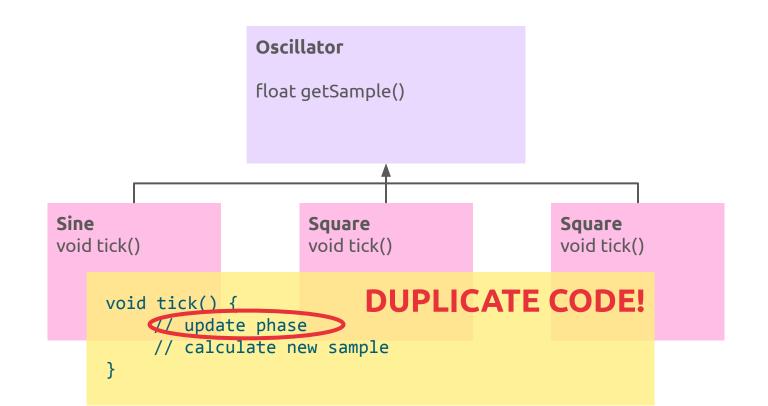
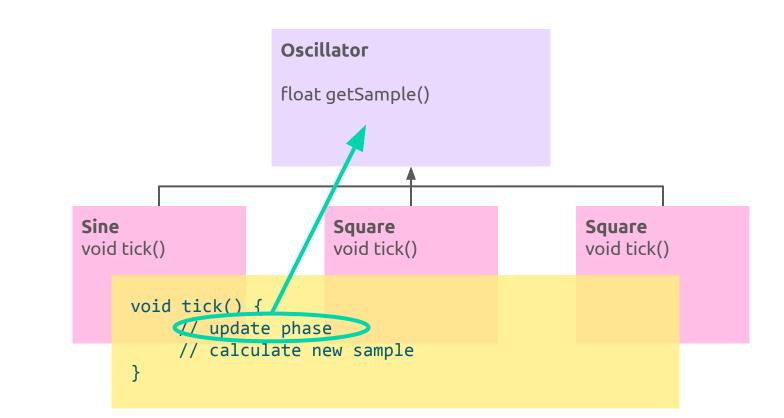
Virtual

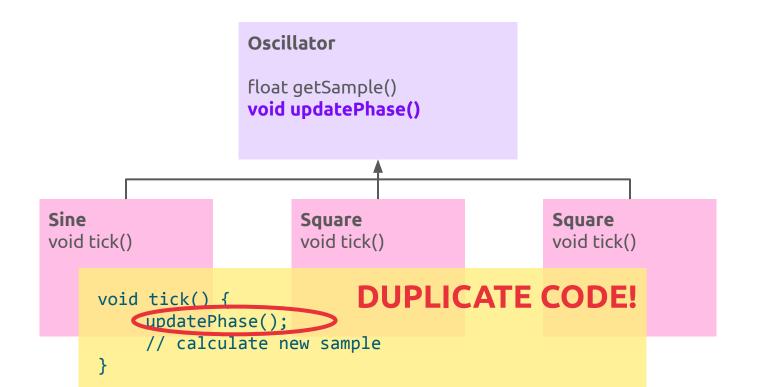
- virtual method
- abstract class

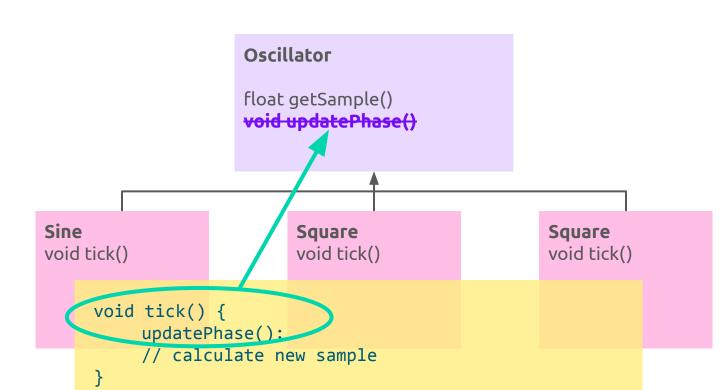




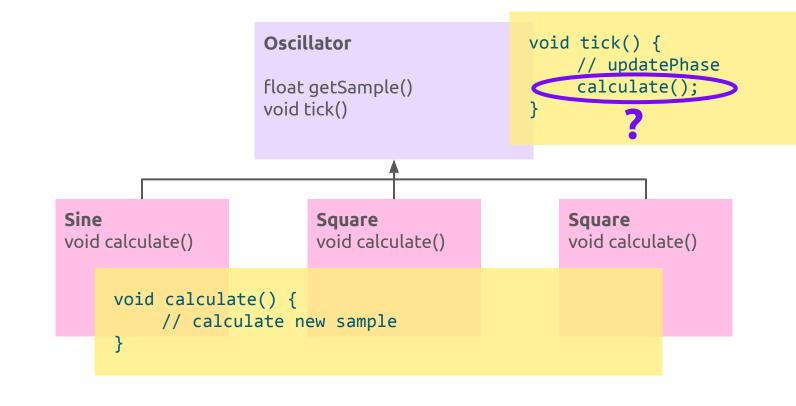


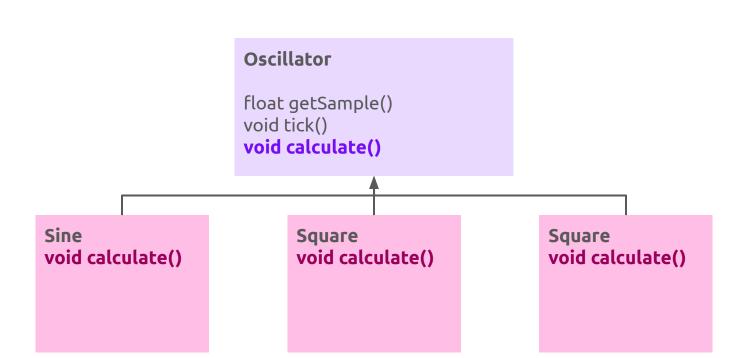


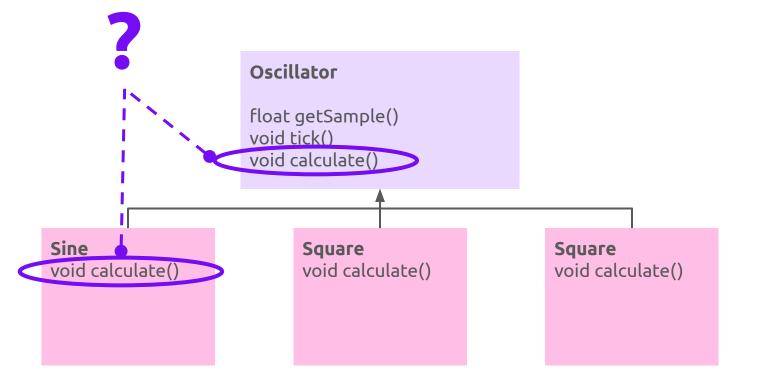




```
Oscillator
                                                  void tick() {
                                                       // updatePhase
                     float getSample()
                                                       calculate();
                     void tick()
Sine
                           Square
                                                      Square
void calculate()
                           void calculate()
                                                      void calculate()
     void calculate() {
          // calculate new sample
```







Oscillator

float getSample() void tick() virtual void calculate()

Virtual

"Virtual functions are member functions whose behavior can be Sine overridden in derived classes" void c void calculate()

https://en.cppreference.com/w/cpp/language/virtual

Oscillator

float getSample() void tick() virtual void calculate() = 0;

Abstract class

Sine

void c

"Abstract classes are used to represent general concepts (for example, Shape, Animal), which can be used as base classes for

No objects of an abstract class can be created (except for base subobjects of a class derived from it) ..."

https://en.cppreference.com/w/cpp/language/abstract class

concrete classes (for example, Circle, Dog).

