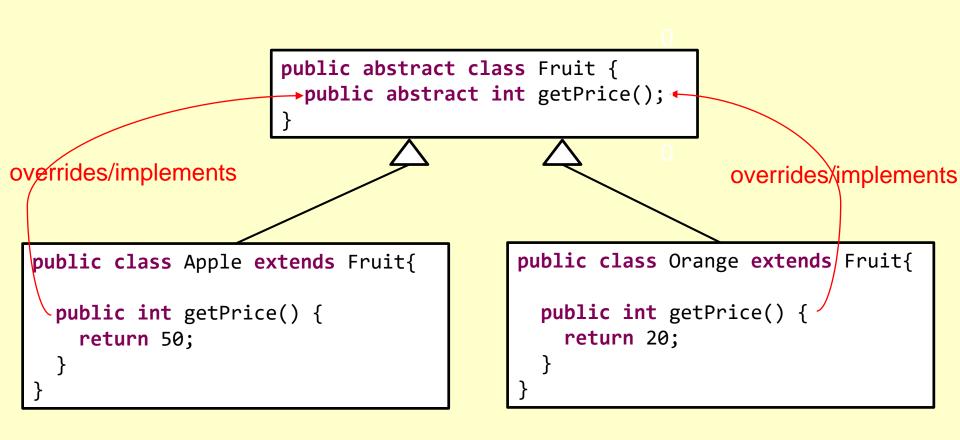


首先,先建立樹狀結構,通常Superclass定義抽象Method,Subclass實作各自Method





接著,在需要Subclass當作參數的Method上,改為利用Superclass當作參數, 以避免為每一個Subclass產生重複的程式碼

```
public class Shop {
  public int checkout(Fruit fruit, int count) {
    return fruit.getPrice() * count;
  public int checkout(Apple apple, int count) {
   return apple.getPrice() * count;
  public int checkout(Orange orange, int count) {
    return orange.getPrice() * count;
```



最後,使用端可動態餵入Subclass的Object Instance

```
public class Customer {

  public static void main(String[] args) {
    Apple apple = new Apple();
    Shop shop = new Shop();
    int totalPrice = shop.checkout(apple, 10);
    System.out.println(totalPrice); // output: 500
  }
}
```

#### Call by reference

```
public class Shop {
  public int checkout(Fruit fruit, int count) {
    return fruit.getPrice() * count;
  }
}
```

Dynamic polymorphism achieved by dynamic method binding

```
public class Apple extends Fruit{
  public int getPrice() {
    return 50;
  }
}
```



• 帶來的好處是什麼?

假設要新增一個Strawberry Class,那麼Shop Class的checkout完全不需要修改! 易於擴充!