Subclassing

Subclassing is the ability of a class to inherit functionality from another class. Let's say you have a class called Animal with a function called "walk()". A dog or a cat are also animals so if you create a class called Dog, you can subclass the Animal class and inherit the "walk()" function in your Dog class without you having to reinvent the wheel and write that function from scratch.

Further reading:

- Dart Inheritance - Javatpoint
- Dart - Concept of Inheritance - GeeksforGeeks
- Exploring Inheritance and Composition in Dart & Flutter - Medium
- Inheritance, Polymorphism, and Composition - dart.academy
- Dart Programming - Classes - Tutorialspoint

Examples

```dart
1  // our super-class
2  class Animal {
3    void run() {
4      print('Running');
5    }
6  }
7  // empty for now
8  class Cat extends Animal {
9  }
10 // after instantiating an object of type Cat, we can
11 // invoke the "run()" function on it
12 void test() {
13   final cat = Cat();
14   cat.run();
15 }
```