Nested Functions

Many programming languages including Dart allow you to nest functions inside other functions. These are called nested functions. They are useful for giving a name and a scope to a reusable piece of functionality that doesn't necessarily belong to the outer scope of the function (such as its containing class), rather they are scoped to another function.

Further reading:

- Lexical scope dart.dev
- How to create a nested function in Dart Educative.io
- dart Tutorial => Function scoping riptutorial.com
- Nested function Wikipedia
- · Learning Functions for Dart Seth Ladd's Blog



Examples

```
1 const names = ['Foo', 'Bar', 'Baz', 'Foo'];
2 // here we have a function that prints the list of
  // "names" with their indices
   void printOrderedNames() {
     // inside this function we have a helper, nested
 5
     // function that produces a String describing
 6
7
     // the index of each name in the list of names
     String prefixFor(int index) =>
 8
       'Value ${index + 1} = ';
 9
     // then we create an indexed list of names and
10
     // iterate through them
11
12
     names.asMap().forEach((index, value) {
       final prefix = prefixFor(index);
13
       print('$prefix = $value');
14
     });
15
16
```