Enums

An enum is a container for related values, all being assigned a name. Enums are also called enumerations and they are defined using the "enum" keyword. Enum cases as they are known are the values that are categorized under the enumeration and they are usually all written in lower-case letters and separated by commas. An enum can contain one or multiple values although an enum with 1 value is rare to find.

Further reading:

- Enumerated Types - dart.dev
- Dart Programming - Enumeration - Tutorialspoint
- Dart Enums - techLog
- Data Enumeration in Dart - GeeksforGeeks
- Flutter & Dart: ENUM Example - Kindacode

Examples

```dart
1  // here is a simple enumeration in Dart that
2  // has only two cases, namely "dog" and "cat"
3  enum AnimalKind { dog, cat }
4  // and in this abstract class we dictate that all
5  // subclasses should have a getter called kind
6  // of our AnimalKind enum type
7  abstract class Animal {
8    AnimalKind get kind;
9  }
10 class Dog extends Animal {
11   // and here in the Dog class we override that and
12   // return AnimalKind.dog
13   @override AnimalKind get kind => AnimalKind.dog;
14 }
```