

Double

A double is a double precision floating point value. This is to say that the container of this type can contain values with decimal points, such as 1.2, or 3.14. Integer values on the other hand don't have the capacity to contain a decimal point. Values of type Double can also be "demoted" or type-cast to a value of type integer and vice versa. In the case of Integer to Double, the type will be promoted!

Further reading:

- [Double-precision floating-point format - Wikipedia](#)
- [Double-Precision Floating Point - IBM](#)
- [double class - dart:core library](#)
- [What is a double in Dart? - Educative.io](#)
- [Floating-point arithmetic - Wikipedia](#)



Examples

```
1  /*
2  a double value, or a double precision floating
3  point value refers to a value that can contain
4  decimals, in this example, the .2 is the decimal
5  value after the integer value of 1
6  */
7  final fooBar = 1.2;
8  final plusTwo = fooBar + 2;
9  final againPlusTwo = fooBar + 2.0;
10 // a string cannot be added to a double by default
11 final invalid = fooBar + 'Foo Bar'; // compile-error
```