Type Testing

Type testing in Dart is the process of dynamically checking the type of an object at run-time. There are 3 operators that allow you to type-test objects in Dart and those are "as" and "is" and "is!". The "as" operator allows you to type-cast an object to another type at run-time and perform various operators on it while the "is" operator becomes "true" if the given object is of a certain type and "is!" becomes true if the reverse is true.

Further reading:

- Type test operators - dart.dev
- Dart Type test operators - W3Schools | W3Adda
- Type Test Operators - Flutter by Example
- Type test operators in Dart - learndartprogramming.com
- Dart Programming - Type test Operators - Tutorialspoint

Examples

```dart
void describe(Object obj) {
  // using the "is" keyword you can test to see if
  // a givne object is of a specific type
  if (obj is int) {
    print('This is an integer');
  }
  // here we are making an assumption about the
  // object being a String, if not, the app crashes
  print((obj as String).length);
  // with "is!" we make sure that the given object
  // is *not* of a specific type, here, not a double
  if (obj is! double) {
    print('This is not a double');
  }
}
```