

Late Variables

A late variable is a variable whose value will be determined at a later stage compared to when it was defined. For instance, if you have a stream controller in Dart which you cannot allocate immediately inside your class initializer, you may decide to flag it as "late", to indicate that its value will be determined at a later stage than its definition, usually inside the constructor of your class.

Further reading:

- [Late variables - dart.dev](https://dart.dev)
- [Late variables in dart and lazy initialization - dev.to](https://dev.to)
- [Flutter: Lazy instantiation with the `late` keyword](#)
- [Dart Late Modifier - YouTube](#)
- [Dart Null Safety: The Ultimate Guide to Non-Nullable Types](#)



Examples

```
1 // here we have a class that accepts a first name
2 // and a last name, but it's fullName member variable
3 // is marked as being a "late" variable, meaning that
4 // we are promising the compiler that this variable
5 // will in fact be initialized and set to a valid String
6 // instance before we use it.
7 class Person {
8   final String firstName;
9   final String lastName;
10  late final String fullName;
11  Person(this.firstName, this.lastName);
12 }
13 final person = Person('foo', 'bar');
14 // however here we crash the program by accessing
15 // "fullName" before it is initialized
16 print(person.fullName);
```