

Keywords

<code>abstract</code>	<code>as</code>	<code>assert</code>	<code>async</code>
<code>await</code>	<code>base</code>	<code>break</code>	<code>case</code>
<code>catch</code>	<code>class</code>	<code>const</code>	<code>continue</code>
<code>covariant</code>	<code>default</code>	<code>deferred</code>	<code>do</code>
<code>dynamic</code>	<code>else</code>	<code>enum</code>	<code>export</code>
<code>extends</code>	<code>extension</code>	<code>external</code>	<code>factory</code>
<code>false</code>	<code>final</code>	<code>get</code>	<code>finally</code>
<code>for</code>	<code>Function</code>	<code>import</code>	<code>hide</code>
<code>if</code>	<code>implements</code>	<code>late</code>	<code>in</code>
<code>interface</code>	<code>is</code>	<code>null</code>	<code>library</code>
<code>mixin</code>	<code>new</code>	<code>part</code>	<code>of</code>
<code>on</code>	<code>operator</code>	<code>sealed</code>	<code>required</code>
<code>rethrow</code>	<code>return</code>	<code>super</code>	<code>set</code>
<code>show</code>	<code>static</code>	<code>throw</code>	<code>switch</code>
<code>sync</code>	<code>this</code>	<code>typedef</code>	<code>true</code>
<code>try</code>	<code>type</code>	<code>with</code>	<code>var</code>
<code>void</code>	<code>when</code>		<code>while</code>
<code>yield</code>			

Naming Conventions

Classes	UpperCamelCase	MyClass
Enums	UpperCamelCase	MyEnum
Extensions	UpperCamelCase	MyExtension
Typedefs	UpperCamelCase	MyTypeDef
Fields	lowerCamelCase	myField
Private fields	<code>_lowerCamelCase</code>	<code>_myField</code>
Functions	lowerCamelCase	myFunction
Parameters	lowerCamelCase	myParameter
Variables	lowerCamelCase	myVariable
Constants	lowerCamelCase	myConstant
Directories, Source files, Packages & Imports	lowercase_with_underscores	my_package, main.dart

Operators

Arithmetic operators	<code>+</code> , <code>-</code> , <code>*</code> , <code>/</code> , <code>~/</code> , <code>%</code>
Assignment operators	<code>=</code> , <code>+=</code> , <code>-=</code> , <code>*=</code> , <code>/=</code> , <code>~/=</code> , <code>%=</code> , <code>&=</code> , <code> =</code> , <code>^=</code> , <code><<=</code> , <code>>>=</code> , <code>>>>=</code>
Bitwise operators	<code>&</code> , <code> </code> , <code>^</code> , <code>~</code> , <code><<</code> , <code>>></code> , <code>>>></code>
Comparison operators	<code>==</code> , <code>!=</code> , <code><</code> , <code>></code> , <code><=</code> , <code>>=</code>



Operators (cont)

Conditional operator	? :
Logical operators	!, &&,
Function application	()
Subscript access	[]
Conditional subscript access	? []
Member access	.
Conditional member access	? .
Non-null assertion operator	!
Unary operators	++, --

Comments

```
// This is a single line comment.

/* This is a multi-line comment. */

/// This is a doc comment.
```

String Interpolation

```
$expr
${expr}

int a = 2;
int b = 2;
print("Sum of $a and $b is ${a + b}"); // Sum of 2 and 2 is 4
```

String Concatenation

```
expr1 + expr2 + ... + exprn

String str1 = "Hello";
String str2 = "World";
print(str1 + " " + str2);
```

Main Function

```
void main() {
    // Some code
}
```

Variables

```
T variableName = value;

int age = 21;
double height = 1.75;
var dateOfBirth = 2003;
String name = "Jack";
bool isHuman = true;
```

Imports

```
import library_name;

import 'dart:io';
import 'dart:math';
```

```
import 'dart:core';
```

Branches

```
if (condition) {  
    ...  
}  
else if (condition) {  
    ...  
} else {  
    ...  
}
```

```
switch (value) {  
    case value1: ...  
    break;  
    case value2: ...  
    break;  
    ...  
    default: ...  
    break;  
}
```

Loops

```
for (…; condition; …) {  
    ...  
}
```

```
while (condition) {  
    ...  
}
```

```
do {  
    ...  
} while (condition);
```

Functions

```
T functionName (parameter(s))  
{  
    ...  
}
```

```
static T func-  
tionName (parameter(s)) {  
    ...  
}
```



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Not published yet.

Last updated 21st February, 2025.

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