**Explicit type casting operator.**

Type casting operators allow to convert a value of a given type to another type. There are several ways to do this in C++. The simplest one, which has been inherited from the C language, is to precede the expression to be converted by the new type enclosed between parentheses (()):

|  |  |  |
| --- | --- | --- |
| 1 2 3 | int i;  double d = 3.14;  i = (int) d; |  |

The previous code converts the double floating-point number 3.14 to an integer value (3); the remainder is lost. Here, the typecasting operator was (int). Another way to do the same thing in C++ is to use the functional notation preceding the expression to be converted by the type and enclosing the expression between parentheses:

|  |  |  |
| --- | --- | --- |
|  | i = int (d); |  |

Both ways of casting types are valid in C++.