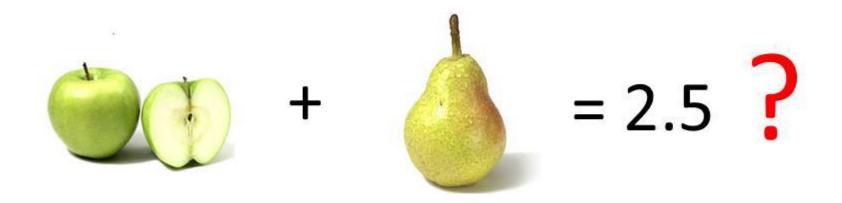
User-Defined Literals



Syntax: <built_in-Literal> + _ + <Suffix>

- Natural numbers: 10101010_b
- Floating-point numbers: 123.45 km
- C-string literals: "hello" i18n
- Character literals: '1'_character

User-Defined Literals

The C++ runtime maps the user-defined literal on the corresponding literal operator

```
    1_m → operator "" _m(1) { ...
    "hello"_i18n → operator "" _i18n("hello", 5)
```

- The literal operator is available.
 - cooked and raw form for natural numbers and floating-point numbers
 - raw for C string literals and character literals
- The cooked form has higher priority.

User-Defined Literals

Cooked form

■ Accepts its arguments as long double or unsigend long long int

1.45 km paperator "" km(1.45)

Raw form

Accepts its arguments as (const char*, size_t), (const char*) or const
char
1.45 km operator "" km("1.45")

Syntax

- Between "" and km must be an empty space.
- Literals should start with underscore _km to distinguish them from the built_in literals.