

# How to use pass-by-reference in XC

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version	1.1.0
scope	Example. This code is provided as example code for a user to base their code on.
description	How to use pass-by-reference in XC
boards	Unless otherwise specified, this example runs on the SliceKIT Core Board, but can easily be run on any XMOS device by using a different XN file.

In XC you can pass function parameters “by reference”. Any changes to pass-by-reference parameters will also change the original variable passed in by the calling function.

For example, the following function takes a reference parameter `x` and adds 10 to it.

```
void add10(int &x)
{
    x += 10;
}
```

This function can then be called and the argument will be updated

```
int y=5;

add10(y);

printintln(y); // This will print out 15
```