version1.1.1scopeExample. This code is provided as example code for a user to base<br/>their code on.descriptionHow to perform timed output on a portboardsUnless otherwise specified, this example runs on the SliceKIT Core<br/>Board, but can easily be run on any XMOS device by using a different<br/>XN file.

An output operation can be performed on a port at a specific time with respect to its clock.

The following statement performs a timestamped output, outputting the value 0 to the port toggle\_port and reading into the variable count the value of the port counter when the output data is driven on the pins.

toggle\_port <: 0 @ count;</pre>

The statements

```
count += 3;
toggle_port @ count <: 1;</pre>
```

cause the port to wait until its counter equals the value count+3 and then drive its pin high. The next two statements delay the driving of the pin low by 2 clock periods.

```
count += 2;
toggle_port @ count <: 0;</pre>
```

The ability to control output on a port can also be achieved using a timer resource from the processor. Note however that the ports time operator is 16-bit whereas the processor timer resource is 32-bit. See example "How to control port output data rates with timers" for further information.

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