**Time Measurement**

cTimeInMs = (uint32\_t) (DWT->CYCCNT) / (uint32\_t) (240000);

.

.

.

Code

.

.

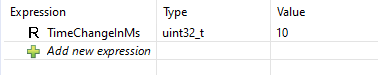
.

lTimeInMs = (uint32\_t) (DWT->CYCCNT) / (uint32\_t) (240000);

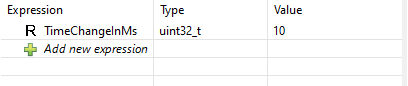
TimeChangeInMs = (lTimeInMs - cTimeInMs) \* 1;

**Results**

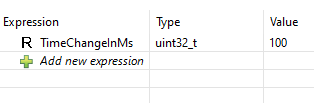
Display Thread



Input Capture Thread



ADC Thread



Main Control Thread

