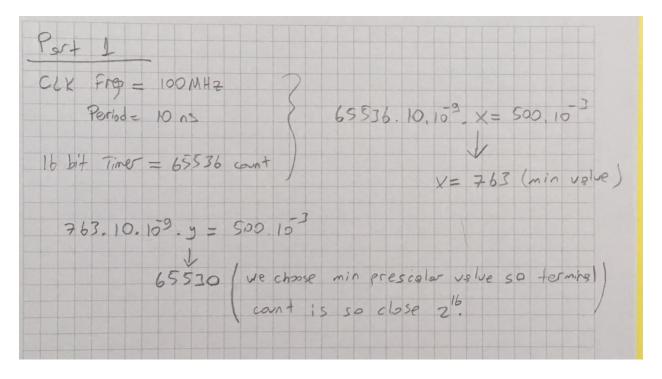
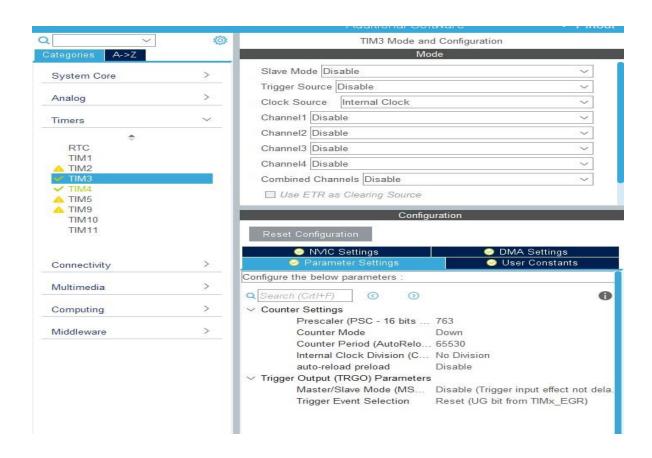
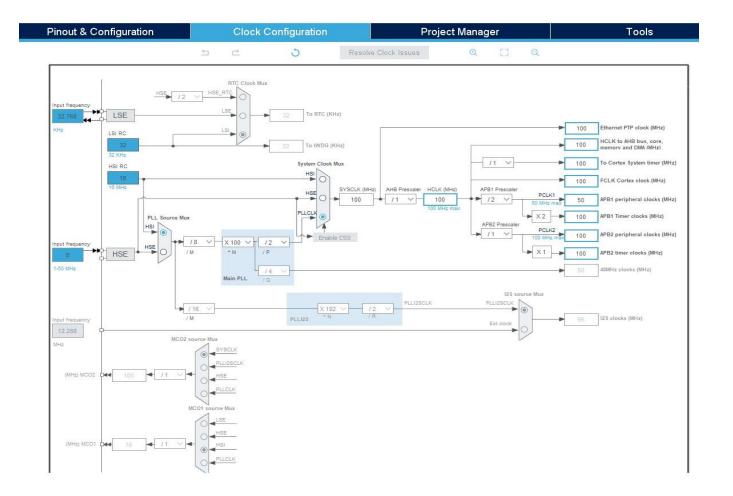
Part 1

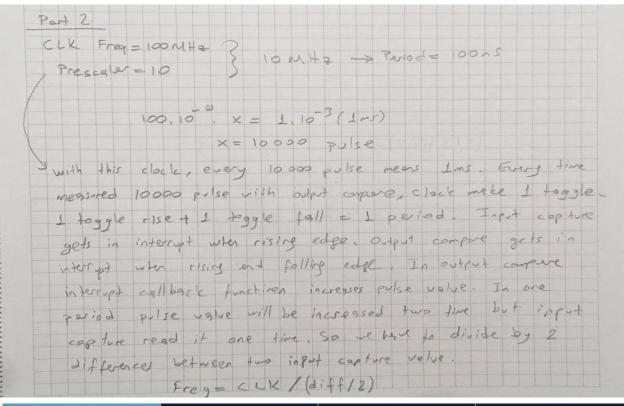


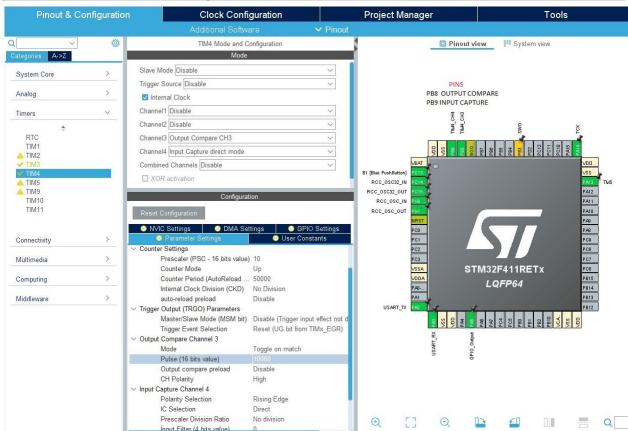




You can see result of part 1 by watching led blinking.

Part 2





VarViewer1			
Variable Name	Address/Expression	Read Value	
IC_Value 1	0x20000028	10000	
IC_Value2	0x2000002c	30000	
difference	0x20000030	10000	
frequency	0x20000034	1000	

Part 2 and part 3 tested together. Generated 1ms square wave was given to input capture and calculated frequency. Implemented code segments are in main.c and stm32f4xx_it.c (TIM4_IRQHandler and TIM3_IRQHandler functions).