The frequency of 1Hz => Period of 1s.

**int** counter = 100;

**int** dot\_counter = 100;

**void** **HAL\_TIM\_PeriodElapsedCallback** ( TIM\_HandleTypeDef \* htim )

{

counter--;

dot\_counter--;

**if** (dot\_counter <= 0) {

dot\_counter = 100;

HAL\_GPIO\_TogglePin ( DOT\_GPIO\_Port , DOT\_Pin) ;

}

**if** (counter <= 0) {

counter = 100;

**if** (index\_led == 0) {

update7SEG(index\_led);

index\_led++;

} **else** **if** (index\_led == 1) {

update7SEG(index\_led);

index\_led++;

} **else** **if** (index\_led == 2) {

update7SEG(index\_led);

index\_led++;

} **else** **if** (index\_led == 3) {

update7SEG(index\_led);

index\_led = 0;

}

HAL\_GPIO\_TogglePin ( LED\_RED\_GPIO\_Port , LED\_RED\_Pin ) ;

}

}