ASSIGNMENT -4

A screenshot of a computer

Description automatically generated with medium confidence

Graphical user interface, text, application

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Code for timer interrupt:

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

{

**if**(htim->Instance==TIM2){

HAL\_GPIO\_WritePin(led1\_GPIO\_Port, led1\_Pin,*GPIO\_PIN\_SET*);

HAL\_Delay(1000);

HAL\_GPIO\_WritePin(led1\_GPIO\_Port, led1\_Pin,*GPIO\_PIN\_RESET*);

HAL\_Delay(1000);

}

**if**(htim->Instance==TIM3){

HAL\_GPIO\_WritePin(led2\_GPIO\_Port, led2\_Pin,*GPIO\_PIN\_SET*);

HAL\_Delay(1000);

HAL\_GPIO\_WritePin(led2\_GPIO\_Port, led2\_Pin,*GPIO\_PIN\_RESET*);

HAL\_Delay(1000);

}

**if**(htim->Instance==TIM4){

HAL\_GPIO\_WritePin(led3\_GPIO\_Port, led3\_Pin,*GPIO\_PIN\_SET*);

HAL\_Delay(1000);

HAL\_GPIO\_WritePin(led3\_GPIO\_Port, led3\_Pin,*GPIO\_PIN\_RESET*);

HAL\_Delay(1000);

}

**else**{

\_\_NOP();

}

}

Graphical user interface

Description automatically generated with medium confidence

For timers:

Graphical user interface, text, application

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Memory information:

Graphical user interface, application

Description automatically generated

Memory related information for timer interrupt:

Graphical user interface, text, application

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