

ChengHao_MEC733_W2022_Lab 3_Task2.ino	ChengHao_MEC733_W2022_La b3_Task2.h	ChengHao_MEC733_W2022_La b3_Task2.s
<pre>int main () { Port_D_init(); Loop_Button_LED_Loop(); return 0; }</pre>	<pre>extern "C" void Port_D_init(void); extern "C" void Loop_Button_LED_Loop(void);</pre>	<pre>Delay: LDI R25, 0xFF LDI R24, 0xFF Delay_Loop: nop nop SBIW R24, 1 BRNE Delay_Loop RET Interval_1: LDI R16, 20 Delay_Interval_1_Loop: call Delay SUBI R16, 1 BRNE Delay_Interval_1_Loop RET Interval_2: LDI R16, 20 Delay_Interval_2_Loop: call Delay SUBI R16, 1 BRNE Delay_Interval_2_Loop RET Interval_3: LDI R16, 20 Delay_Interval_3_Loop: call Delay SUBI R16, 1 BRNE Delay_Interval_3_Loop RET .global Port_D_init Port_D_init: LDI R16, 0b01110000 OUT 0x0A, R16 LDI R16, 0b00001110 OUT 0x0B, R16</pre>

		<pre> .global Loop_Button_LED_Loop Loop_Button_LED_Loop: Start: IN R16, 0x09 ANDI R16, 0b00000010 CPI R16, 0b00000000 BREQ Flash1 IN R17, 0x09 ANDI R17, 0b00000100 CPI R17, 0b00000000 BREQ Flash2 IN R18, 0x09 ANDI R18, 0b00001000 CPI R18, 0b00000000 BREQ Flash3 JMP Start Flash1: SBI 0x0B, 4 call Interval_1 CBI 0x0B, 4 call Interval_1 JMP Start RET Flash2: SBI 0x0B, 5 call Interval_2 CBI 0x0B, 5 call Interval_2 JMP Start RET Flash3: SBI 0x0B, 6 call Interval_3 CBI 0x0B, 6 call Interval_3 JMP Start RET </pre>
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