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#include "MK20D5.h"

#include "MK20D5\_simple.h"

int main(void)

{

// Enable the clock for the port control module

SIM\_SCGC5 |= SIM\_SCGC5\_PORTA\_MASK | SIM\_SCGC5\_PORTB\_MASK | SIM\_SCGC5\_PORTC\_MASK | SIM\_SCGC5\_PORTD\_MASK | SIM\_SCGC5\_PORTE\_MASK;

// Initialise the red LED

PORTC\_PCR3 = 0x100; // Select GPIO mode

GPIOC\_PDDR = (1 << 3); // set PTC3 to output

// Disable the others

PORTD\_PCR4 = 0; // green

PORTA\_PCR2 = 0; // blue

// Flash the LED

int counter;

for (;;) {

GPIOC\_PDOR = 0;

for (counter = 0; counter < 1000000; counter++) {

// spin

}

GPIOC\_PDOR = (1 << 3);

for (counter = 0; counter < 1000000; counter++) {

// spin

}

}

return 0;

}

////////////////////////////////////////////////////////////////////////////////

// EOF

////////////////////////////////////////////////////////////////////////////////