# include "shared.h"
# include <math.h> /* Note: We get a warning if math.h is moved up */

interrupt void tx_isr(void); /* prototype the ISR */

void labmain()
{
    /* Select McBSP1 transmit int for INT15 */
    intr_map(CPU_INT15, ISN_XINT1);

    /* Hook our ISR to INT15 */
    intr_hook(tx_isr, CPU_INT15);

    /* Clear old interrupts */
    INTR_CLR_FLAG(CPU_INT15);

    /* Enable interrupts */
    /* NMI must be enabled for other ints to occur */
    INTR_ENABLE(CPU_INT_NMI);

    /* Set INT15 bit in IER */
    INTR_ENABLE(CPU_INT15);

    /* Turn on enabled ints */
    INTR_GLOBAL_ENABLE();

    /* Note: Functions in capital letters are */
    /* macros defined in intr.h */

    /*Write a sample to start transmission */
    WriteSample(0,0);

    while(1); /* infinite loop */
}

void tx_isr() // interrupt handler
{
    /* You should know what goes here */
    /* (The codec is ready, so just generate and output the next sample */
}