```
# Makefile for timer
# Author: Michael Kepple
# Date: 21 Feb 2013
timer: timer.c timer.h
* File:
          timer.c
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* Note: Input is assumed to be valid.
* /
#include "timer.h"
bool ringBack;
int main(int argc, char* argv[])
    ringBack = false;
    struct sigaction action;
    int delay = atoi(argv[1]);
   alarm(delay);
    action.sa_handler = timer;
    sigemptyset(&action.sa_mask);
   if (sigaction(SIGALRM, &action, NULL) < 0)</pre>
        perror("sigaction");
        exit(EXIT_FAILURE);
    while (!ringBack) {}
   printf("RING!\n");
}
void timer(int seconds)
   ringBack = true;
* File: timer.h
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*/
#ifndef TIMER_H
#define TIMER_H
#include <stdlib.h>
#include <stdio.h>
#include <unistd.h>
#include <signal.h>
typedef int bool;
#define true 1
#define false 0
void timer(int seconds);
#endif
```