

```

#
# Makefile for rinr
# Author: Michael Kepple
# Date: 28 Mar 2013
#
rinr: rinr.c rinr.h
        gcc rinr.c rinr.h -lncurses -o rinr
/*
* rinr.c
*
* Author: Michael Kepple
* Date: 25 Mar 2013
* Description: draws successively smaller rectangles on the screen until there
* is room for no additional rectangles.
*/
#include "rinr.h"

int main()
{
    int x,y,i;
    char temp;
    char symbols[] = "MICHAEL KEPPLER ";
    initscr();
    curs_set(NO_CURSOR);
    int maxRects = MIN(LINES, COLS)/2;
    for (i=0; i<maxRects; i++)
    {
        temp = symbols[i%NAMELENGTH];
        for (x=0; x<(COLS-i*2); x++)
        {
            mvwaddch(stdscr, i, (x+i), temp);
            mvwaddch(stdscr, ((LINES-1)-i), (x+i), temp);
        }
        for (y=0; y<(LINES-i*2); y++)
        {
            mvwaddch(stdscr, (y+i), i, temp);
            mvwaddch(stdscr, (y+i), ((COLS-1)-i), temp);
        }
        refresh();
        sleep(1);
    }
    getch();
    endwin();
    return 0;
}
/*
* File: rinr.h
*
* Author: Michael Kepple
* Date: 28 Mar 2013
*
*/
#ifndef RINR_H
#define RINR_H
#include <ncurses.h>
#define MIN(a,b) (((a)<(b))?(a):(b))
#define NAMELENGTH 15
#define NO_CURSOR 0
#endif

```