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/* void init_kbhit(void) inicializuje kbhit */
/* int kbhit(void) vracia ascii kod stlacenej klavesy alebo nulu ak nebolo nic stlac
ene */
/* void close_kbhit(void) konci pracu s kbhit */

#include <termios.h>
#include <term.h>
#include <curses.h>

/* deklaracia struktur pre nastavenie terminalu */
struct termios initial_settings;
struct termios new_settings;
/* premenna pre detekciu stlacenej klavesy */
int peek_character=-1;

/*****/
int kbhit(void)
{
    int key=0;

    if (kbhit_on()) key=readkey_on();
    return(key);
}

/*****/
void init_kbhit(void)
{
    tcgetattr(0, &initial_settings);
    new_settings=initial_settings;
    new_settings.c_lflag &= ~ICANON;
    new_settings.c_lflag &= ~ECHO;
    new_settings.c_lflag &= ~ISIG;
    new_settings.c_cc[VMIN]=1;
    new_settings.c_cc[VTIME]=0;
    tcsetattr(0, TCSANOW, &new_settings);
}

/*****/
void close_kbhit(void)
{
    tcsetattr(0, TCSANOW, &initial_settings);
}

int kbhit_on(void)
{
    char ch;
    int nread;

    if (peek_character != -1) return(1);

    new_settings.c_cc[VMIN]=0;
    tcsetattr(0, TCSANOW, &new_settings);
    nread=read(0, &ch, 1);
    new_settings.c_cc[VMIN]=1;
    tcsetattr(0, TCSANOW, &new_settings);

    if (nread==1) {
        peek_character=ch;
        return(1);
    }

    return(0);
}

int readkey_on(void)
{
    char ch;

    if (peek_character!=-1) {
        ch=peek_character;
        peek_character=-1;
        return(ch);
    }

```

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}  
  
read(0, &ch, 1);  
return(ch);  
}
```