

## 1.FELADAT :

alarm.c

```

3  #define SECOND 1
4
5  void do_nothing();
6  void do_int();
7
8  main ()
9  {
10     int i;
11     unsigned sec=1;
12
13     signal(SIGINT, do_int);
14
15     for (i=1;i<8;i++) {
16         alarm(sec);
17         signal(SIGALRM, do_nothing);
18         printf("  %d jelre var\n",i);
19         | pause();
20     }
21 }
22 void do_nothing(){ ;}
23
24 void do_int() {
25     printf(" jel érkezett ");
26     signal(SIGINT,SIG_IGN);
27 }
28

```

alarm\_var.c

```
1  #include <unistd.h>
2  #include <signal.h>
3
4
5  void do_nothing();
6
7
8  main ()
9  {
10
11
12     signal(SIGALRM, do_nothing);
13     printf(" %d ielre varok\n");
14     pause();
15     printf(" Erre a ielre vart\n");
16 }
17 void do_nothing() { ; }
18
```

alarm\_ado.c

```
1  #define SECOND 1
2
3  void do_nothing();
4  void do_int();
5
6  main ()
7  {
8
9
10     int i;
11     unsigned sec=1;
12
13     signal(SIGINT, do_int);
14
15     for (i=1;i<8;i++) {
16         alarm(sec);
17         signal(SIGALRM, do_nothing);
18         printf(" %d jelenleg var\n",i);
19         pause();
20     }
21 }
22 void do_nothing() { ; }
23
24 void do_int() {
25     printf(" beerkezett a jel ");
26     signal(SIGINT, SIG_IGN);
27 }
28
```

2.feladat:

tobbsignal\_kez.c

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <signal.h>

void handleSignals(int signum);

int main() {
    void (*sigInterruptHandler)(int);
    void (*sigQuitHandler)(int);
    void (*sigReturnHandler)(int);
    sigInterruptHandler = sigQuitHandler = handleSignals;
    sigReturnHandler = signal(SIGINT, sigInterruptHandler);
    if (sigReturnHandler == SIG_ERR) {
        perror("Signal error! Program exiting...");
        return 1;
    }
    sigReturnHandler = signal(SIGQUIT, sigQuitHandler);

    if (sigReturnHandler == SIG_ERR) {
        perror("Jel hiba! kilep a program...");
        return 1;
    }

    while(1){
        printf("\n ha kiakar lepni, kovesse az utasitasokat:\n");
        printf("1. uj terminal nyitasa.\n");
        printf("2. Ezt a parancsot adja ki: kill %d vagy issue CTRL + C 2 times.", getpid());
        sleep(10);
    }
    return 0;
}

void handleSignals(int signum){

void handleSignals(int signum){
    switch(signum){
        case SIGINT:
            printf("\n Nyomia meg a CTRL + C");
            printf("Most visszaallitja a SIGINT jelet az alap eljarasra");
            signal(SIGINT, SIG_DEL);
            break;
        case SIGQUIT:
            printf("\n Nyomia meg a CTRL+\n");
            break;
        default:
            printf("\n A kapott jelek szama: %d\n", signum);
            break;
    }
    return;
}
```