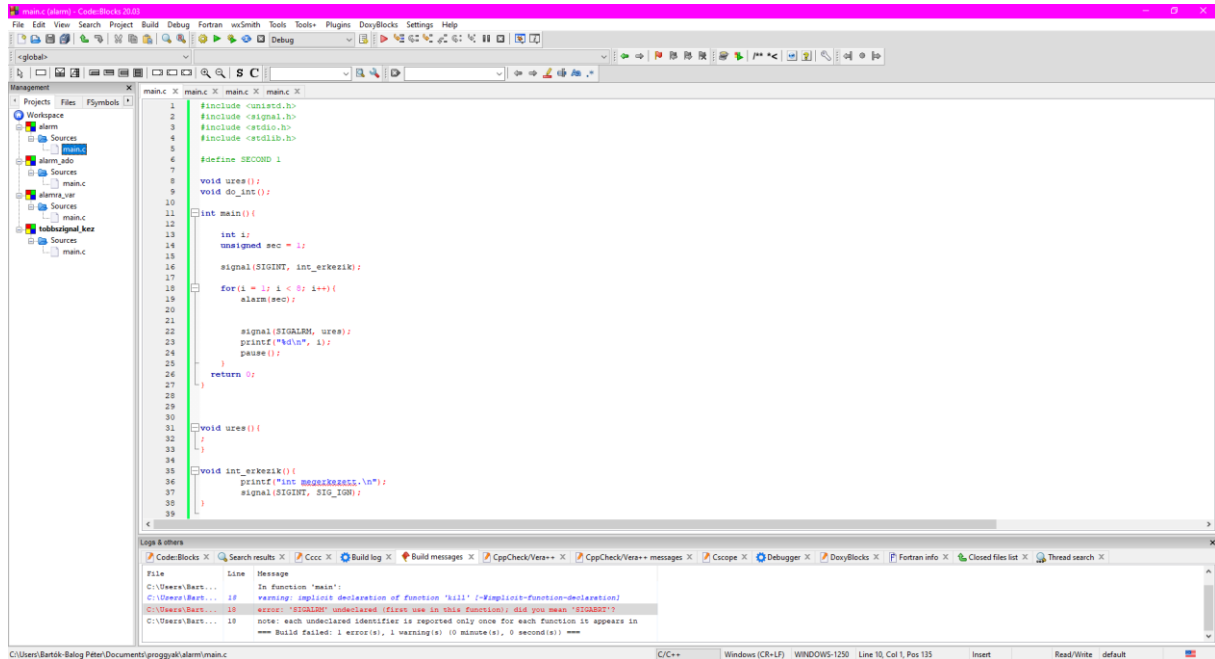


1. feladat:

Alarm.c: 7-szer ismétlődő alarm, pause a beállított értékig

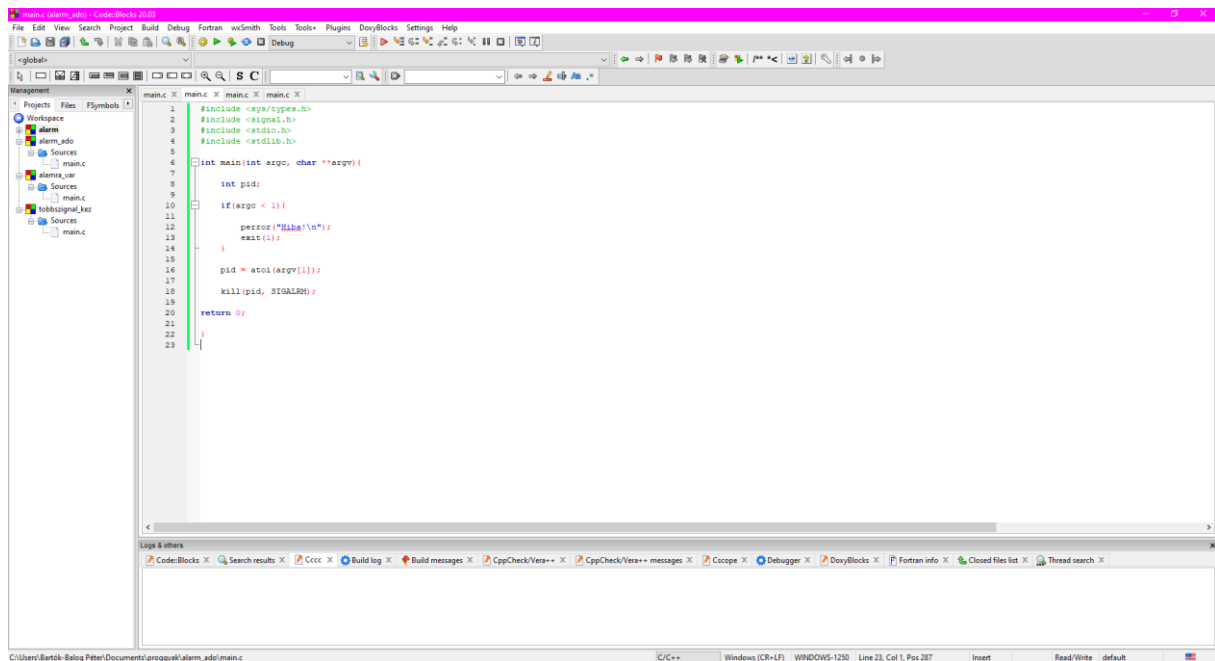


```
1 #include <unistd.h>
2 #include <signal.h>
3 #include <stdio.h>
4 #include <stdlib.h>
5
6 #define SECONDS 1
7
8 void ures();
9 void do_int();
10
11 int main()
12 {
13     int i;
14     unsigned sec = 1;
15     signal(SIGINT, int_exkezel);
16     for (i = 1; i <= 7; i++)
17     {
18         alarm(sec);
19
20         signal(SIGALRM, ures);
21         printf("Idő: %d\n", i);
22         pause();
23     }
24     return 0;
25 }
26
27 void ures()
28 {
29 }
30
31 void int_exkezel()
32 {
33     printf("Intézkedés!\n");
34     signal(SIGINT, SIG_IGN);
35 }
```

Log & others

| File | Line | Message |
|---|------|--|
| C:\Users\Bartok\Documents\proggy\alarm\main.c | 17 | In function 'main': warning: implicit declaration of function 'kill' [-Wimplicit-function-declaration] |
| C:\Users\Bartok\Documents\proggy\alarm\main.c | 19 | error: 'SIGALRM' undeclared (first use in this function); did you mean 'SIGABRT'? |
| C:\Users\Bartok\Documents\proggy\alarm\main.c | 19 | note: each undeclared identifier is reported only once for each function it appears in |

Build failed: 1 error(s), 1 warning(s) (0 minute(s), 0 second(s))

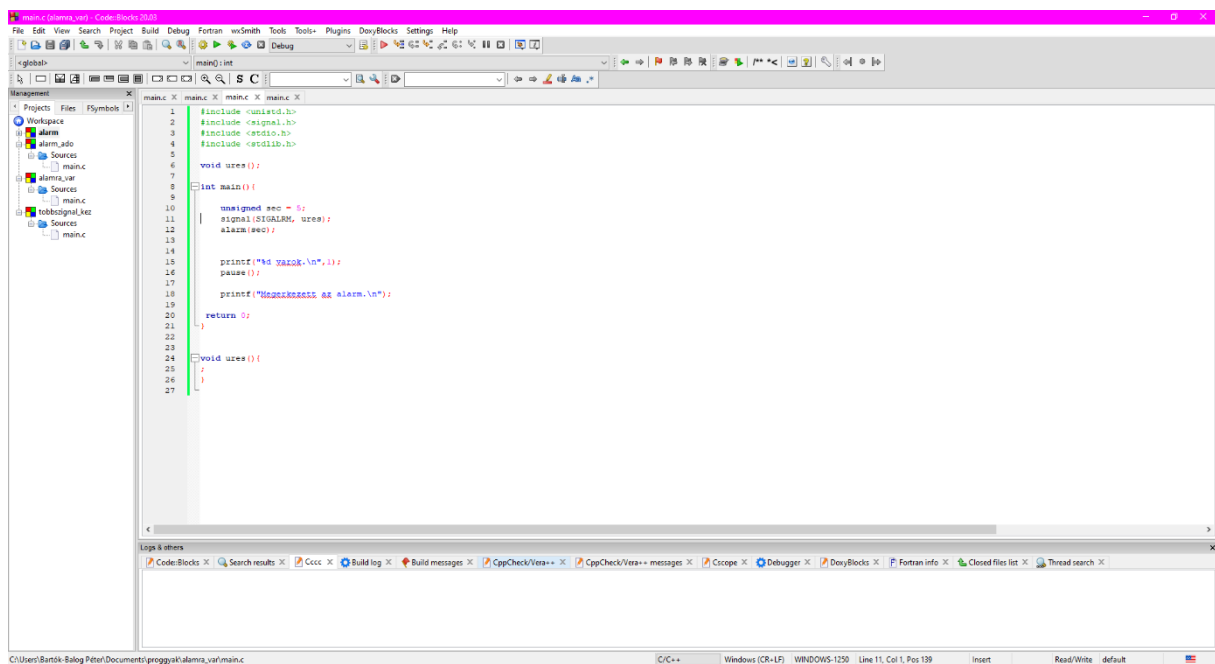


```
1 #include <sys/types.h>
2 #include <signal.h>
3 #include <stdio.h>
4 #include <stdlib.h>
5
6 int main(int argc, char **argv)
7 {
8     int pid;
9     if (argc < 2)
10     {
11         perror("Hiba!\n");
12         exit(1);
13     }
14     pid = atoi(argv[1]);
15     kill(pid, SIGALRM);
16     return 0;
17 }
```

Log & others

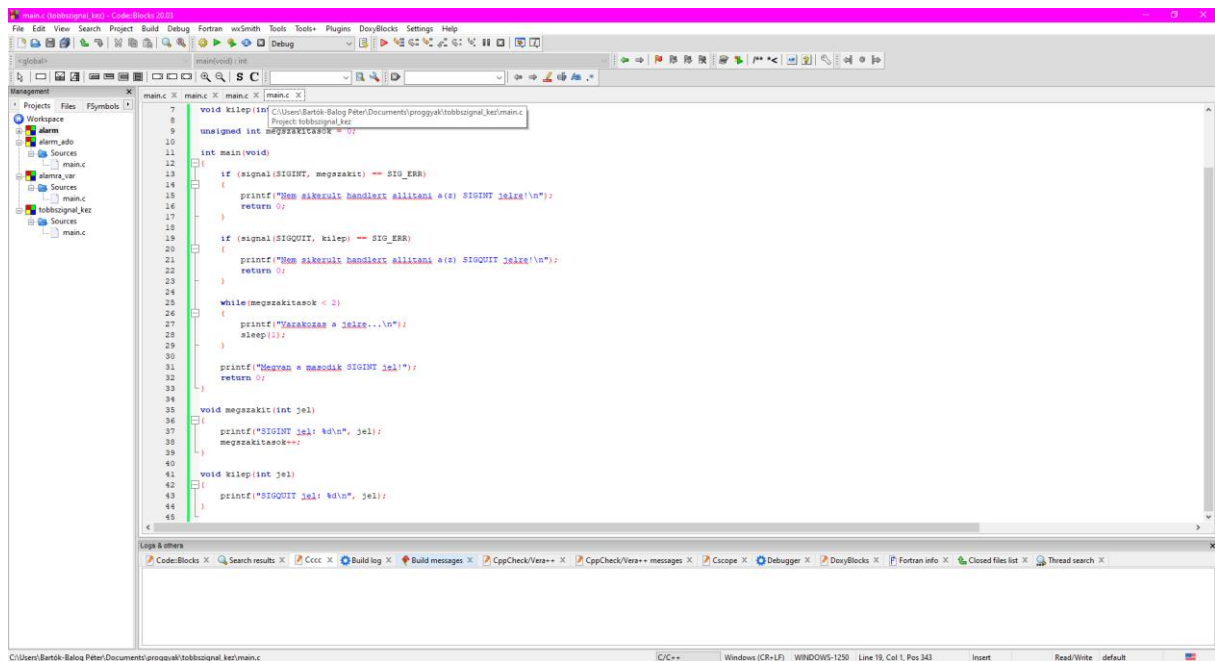
Build failed: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s))

A beállított értékig vár az alarmra a program



```
1 #include <unistd.h>
2 #include <signal.h>
3 #include <stdio.h>
4 #include <stdlib.h>
5
6 void ures();
7
8 int main() {
9     unsigned sec = 5;
10    signal(SIGALRM, ures);
11    alarm(sec);
12
13    printf("5s varok.\n");
14    pause();
15    printf("Megszakasok az alarm.\n");
16
17    return 0;
18 }
19
20 void ures() {
21 }
```

2. feladat:



```
7 void kilap(int) {
8     unsigned int megszakitasok = 0;
9
10    int main(void) {
11        if (signal(SIGINT, megszakit) == SIG_ERR)
12            return 0;
13
14        if (signal(SIGQUIT, kilap) == SIG_ERR)
15            return 0;
16
17        while(megszakitasok < 2) {
18            printf("Varakozas a jelre...\n");
19            sleep(2);
20
21            printf("Megvan a masodik SIGINT jel!");
22            return 0;
23        }
24
25        void megszakit(int jel) {
26            printf("SIGINT jel: %d\n", jel);
27            megszakitasok++;
28        }
29
30        void kilap(int jel) {
31            printf("SIGQUIT jel: %d\n", jel);
32        }
33    }
34 }
```