

1.

main.c [T6PXGVgyak1] - Code::Blocks 20.03

```

1  int system(const char *command);
2
3  int main()
4  {
5      pid_t pid = fork();
6
7      char cmd[32];
8      int status;
9      if(pid == 0){
10         strcpy(cmd, "ls -l");
11         system(cmd);
12     }
13
14     waitpid(pid, &status, 0);
15     if(WIFEXITED(status) == 1){
16         _exit(WEXITSTATUS(status));
17     }
18 }

```

Logs & others

Code::Blocks Search results Build log Build messages Debugger

Process terminated with status 0 (0 minute(s), 0 second(s))
0 error(s), 0 warning(s) (0 minute(s), 0 second(s))

----- Run: Debug in T6PXGVgyak1 (compiler: GNU GCC Compiler)-----

Checking for existence: /home/troja/Progik/T6PXGVgyak1/bin/Debug/T6PXGVgyak1
Set variable: LD_LIBRARY_PATH=.:
Executing: xterm -T T6PXGVgyak1 -e /usr/bin/cb_console_runner LD_LIBRARY_PATH=.: /home/troja/Progik/T6PXGVgyak1/bin/Debug/T6PXGVgyak1 (in /home/troja/Progik/T6PXGVgyak1/.)

total 20
drwxr-xr-x 3 troja troja 4096 márc 9 18:39 bin
-rw-r--r-- 1 troja troja 428 márc 9 18:40 main.c
drwxr-xr-x 3 troja troja 4096 márc 9 18:39 obj
-rw-r--r-- 1 troja troja 1019 márc 9 17:53 T6PXGVgyak1.cbp
-rw-r--r-- 1 troja troja 355 márc 9 18:22 T6PXGVgyak1.layout

Process returned 0 (0x0) execution time : 0,005 s
Press ENTER to continue.

/h6/f6e#troja/Progik/T6PXGVgyak1/main.c Unix (LF) UTF-8 Line 12, Col 24, Pos 195 Insert Read/Wri... default

2.

main.c [2feladat] - Code::Blocks 20.03

```

1  #include <sys/wait.h>
2  #include <unistd.h>
3
4  int system(const char *command);
5
6  int main()
7  {
8      char gets(char* strptr);
9      char str[64];
10     gets(str);
11
12     char cmd[32];
13     strcpy(cmd, str);
14     system(cmd);
15     return 0;
16 }

```

Logs & others

Code::Blocks Search results Build log Build messages Debugger

Process terminated with status 0 (0 minute(s), 0 second(s))
0 error(s), 1 warning(s) (0 minute(s), 0 second(s))

----- Run: Debug in 2feladat (compiler: GNU GCC Compiler)-----

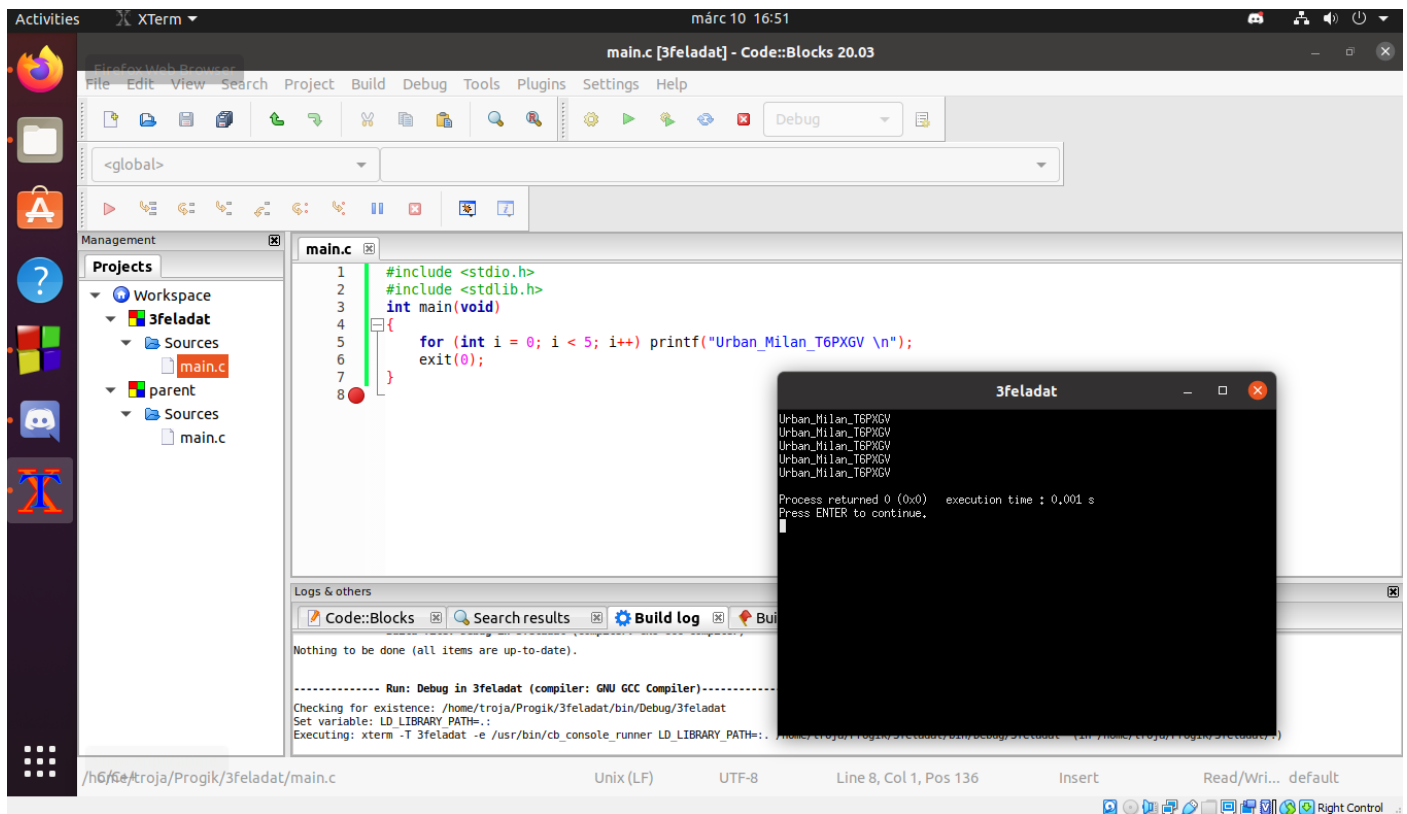
Checking for existence: /home/troja/Progik/2feladat/bin/Debug/2feladat
Set variable: LD_LIBRARY_PATH=.:
Executing: xterm -T 2feladat -e /usr/bin/cb_console_runner LD_LIBRARY_PATH=.: /home/troja/Progik/2feladat/bin/Debug/2feladat (in /home/troja/Progik/2feladat/.)

top - 16:20:05 up 1:39, 1 user, load average: 0.40, 0.42, 0.32
Tasks: 187 total, 1 running, 186 sleeping, 0 stopped, 0 zombie
Cpu(s): 29.8 us, 1.7 sy, 0.0 ni, 68.5 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
Mem: 7961.9 total, 4143.2 free, 1509.6 used, 2309.1 buff/cache
Mem Swap: 923.3 total, 923.3 free, 0.0 used, 6119.9 avail Mem

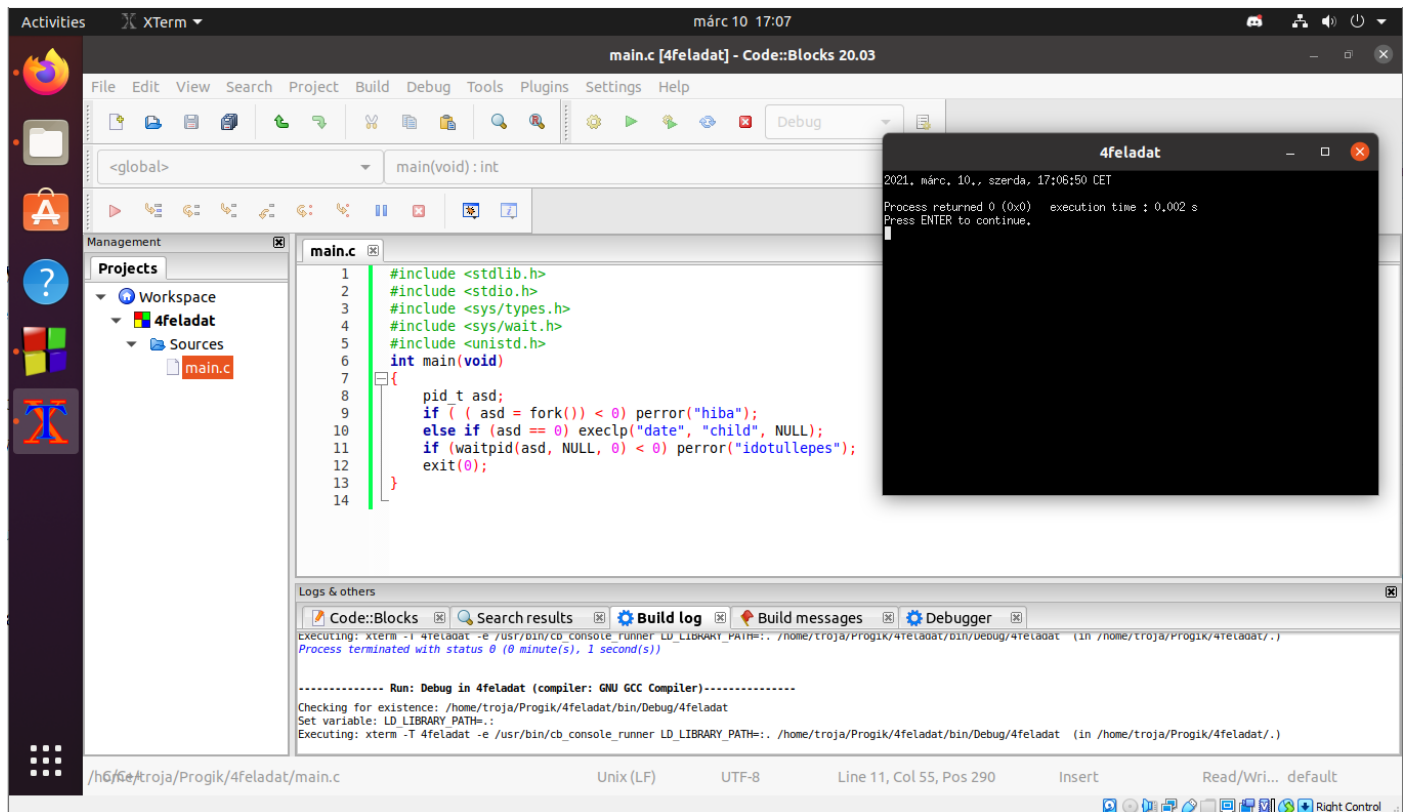
PID	USER	PR	NI	VIRT	RES	SHR	S	XCPU	%MEM	TIME+	COMMAND
1026	troja	20	0	3809620	424612	137364	S	15.3	5.2	3:42.18	gnome-s+
5716	troja	20	0	1075388	110996	62928	S	10.3	1.4	0:28.58	codeblo+
766	troja	20	0	668984	120088	73140	S	4.3	1.5	1:38.91	Xorg
6169	troja	20	0	13.0g	272276	124324	S	1.0	3.3	0:10.63	Discord
4782	troja	20	0	5426932	295888	159104	S	0.7	3.6	1:00.22	firefox
4943	troja	20	0	2534692	174132	120868	S	0.7	2.1	0:30.47	Web Con
5836	troja	20	0	4928224	135856	91464	S	0.3	1.7	0:02.53	Discord
1	root	20	0	103332	12836	8376	S	0.0	0.2	0:01.51	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	knorker+
9	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_perc+
10	root	20	0	0	0	0	S	0.0	0.0	0:00.68	ksoftir+
11	root	20	0	0	0	0	I	0.0	0.0	0:00.93	rcu_sch+
12	root	rt	0	0	0	0	S	0.0	0.0	0:00.02	nigrati+
13	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_in+

/h6/f6e#troja/Progik/2feladat/main.c Unix (LF) UTF-8 Line 8, Col 24, Pos 148 Insert Read/Wri... default

3.



4.



5.

The screenshot displays the Code::Blocks IDE interface. The main editor shows the source code for `main.c` in the `Sfeladat` project. The code implements a process management exercise using `fork()` and `wait()`.

```
1 #include <stdio.h>
2 #include <sys/types.h>
3 #include <sys/wait.h>
4 #include <unistd.h>
5 int main(void)
6 {
7     pid_t asd;
8     int status;
9     if ( ( asd = fork() ) < 0 ) perror("hiba");
10    else if ( asd == 0 ) exit(11);
11    if ( wait(&status) != asd ) perror("idotulletes");
12    if ( WIFEXITED(status) ) printf("Normális befejezés %d\n", WEXITSTATUS(status));
13
14    if ( ( pid = fork() ) < 0 ) perror("hiba");
15    else if ( asd == 0 ) abort();
16    if ( wait(&status) != asd ) perror("idotulletes");
17    if ( WIFSIGNALED(status) ) printf("Nem normális befejezés %d\n", WTERMSIG(status));
18
19 }
```

The `Sfeladat` terminal window shows the output of the program:

```
Normális befejezés 11
Nem normális befejezés 6
Nem normális befejezés 8
Process returned 0 (0x0)   execution time : 0,574 s
Press ENTER to continue.
```

The `Build messages` window shows the following messages:

```
==== Build: Debug in Sfeladat (compiler: GNU GCC Compiler) ====
/home/troja/Progi... In function 'main':
/home/troja/Progi... 21 warning: variable 'a' set but not used [-Wunused-but-set-variable]
==== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 0 second(s)) ====
==== Run: Debug in Sfeladat (compiler: GNU GCC Compiler) ====
```

The status bar at the bottom indicates the file path `/home/troja/Progi/Sfeladat/main.c`, encoding `UTF-8`, and the current cursor position `Line 19, Col 1, Pos 601`.