


## clone() Example

```
1  #include <unistd.h>
2  #include <sched.h>
3  #include <sys/types.h>
4  #include <stdlib.h>
5  #include <string.h>
6  #include <stdio.h>
7  #include <fcntl.h>
8
9  int variable;
10
11 int do_something()
12 {
13     variable = 42;
14     _exit(0);
15 }
16
17 int main(void)
18 {
19     void *child_stack;
20     variable = 9;
21
22     child_stack = (void *) malloc(8192);
23     printf("The variable was %d\n", variable);
24
25     clone(do_something, child_stack,
26          CLONE_FS | CLONE_VM | CLONE_FILES, NULL);
27     sleep(1);
28     printf("The variable is now %d\n", variable);
29     return 0;
30 }
```



## Stack grows downwards

```
child_stack = (void**)malloc(8192) + 8192/sizeof(*child_stack);
```

