SIMPLE SHELL

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Important decisions and functions:

- It is required to implement a unix shell program.
- A shell is simply a program that conveniently allows you to run other programs.
- The function "Char input()":
 - ➤ Read command line and add '/0' to convert it to string.
- The function "char parser(char command_line)":
 - ➤ Parse command line into arguments and check for background process flag.
- The function "void execute_command(char arguments)":
 - Executing command arguments by forking child process.
- The function "void interrupt_handler()":
 - Logging child process ended into logger when receiving SIGCHLD.

Sample runs:

```
simple shell
ls
'>'
                log.txt
                          obj
                                                 'simple shell.layout'
       ¢
                         'simple shell.cbp'
       file2
 bin
               main.c
                         'simple shell.depend'
ls -l
total 36
                          84 [][][]
                                  7 16:11 '>'
-rwxrwxr-x 1 omar omar
                                  7 14:47
                           0 11111
 rwxrwxr-x 1 omar omar
drwxr-xr-x 3 omar omar 4096
                                  6 18:53
                                            bin
                                  7 16:00
                           0 111111
-rwxrwxr-x 1 omar omar
                                            С
                           0 ||||||
                                  7 16:00
           1 omar omar
                           0 111111
                                  9 22:45
                                            file2
           1 omar omar
                         325 1111 10 00:49
                                            log.txt
             omar omar
                           0 [][][]
                                  7 14:20
             omar omar
           1 omar omar 1345 [[[]] 10 00:00
                                            main.c
                        4096
                                  6 18:53
           3 omar omar
                                            obj
                                          'simple shell.cbp'
             omar omar 1022
                                  6 18:45
                         174 III 10 00:12 'simple shell.depend'
           1 omar omar
                                  8 16:17
                         356
                                           'simple shell,layout'
           1 omar omar
                         184
                                  9 22:23
-rwxrwxr-x 1 omar omar
```

simple shell ls '>' 7 obj 'simple shell.cbp' 'simple shell.depend' log.txt 'simple shell.layout' e file2 Х bin main.c firefox & No Command

