



B1 - Shell Programming

B-PSU-110

minishell1

Bootstrap



2.0



minishell1

binary name: my_exec
repository name: PSU_my_exec_\$ACADEMICYEAR
repository rights: ramassage-tek
language: C
compilation: via Makefile, including re, clean and fclean rules



- Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).
- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).

Write a program that takes one string as parameter, that contains a program name with its path and arguments.

Your program must execute the program with these arguments, the following way:

```
Terminal
~/B-PSU-110> ./my_exec "/bin/ls -l /dev"
Program name: /bin/ls
Nb args: 2
PID: 1346
Child PID: 1348
... . .
... . .
... . . /* execution of ls -l /dev */
... . .
... . .
Program terminated.
Status: OK
```

```
Terminal
~/B-PSU-110> ./my_exec "./my_segfault"
Program name: ./my_segfault
Nb args: 0
PID: 1513
Child PID: 1514
... . .
... . .
... . . /* execution of ./my_segfault */
... . .
... . .
Program terminated.
Status: Segmentation fault
```



AUTHORIZED FUNCTIONS

- malloc, free, exit, opendir, readdir, closedir, getcwd, chdir
- fork, stat, lstat, fstat, getcwd, open, close
- read, write, execve, access, isatty, wait, waitpid
- wait3, wait4, signal, kill, getpid, strerror, perror, strsignal