

```
3e2ec6c..T/80DTT main -> main
bonny@bonny-Lenovo-Gaming:~/OSP4$ ./wordgen 1000 | wc
Finished generating 1000 candidate words
 1000    1000    9994
bonny@bonny-Lenovo-Gaming:~/OSP4$ time ./wordgen 1000000 >/dev/null
Finished generating 1000000 candidate words

real    0m0.127s
user    0m0.127s
sys     0m0.000s
bonny@bonny-Lenovo-Gaming:~/OSP4$ echo "COMPUTER" | ./wordsearch words.txt
COMPUTER
Accepted 453128 words
Matched 1 words
bonny@bonny-Lenovo-Gaming:~/OSP4$ time ./wordgen 10000 | ./wordsearch words.txt >/dev/null
Finished generating 10000 candidate words
Accepted 453128 words
Matched 189 words

real    0m54.395s
user    0m54.410s
sys     0m0.004s
bonny@bonny-Lenovo-Gaming:~/OSP4$ ./pager <pager.c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>
#include <errno.h>
#include <string.h>

#define MAXLINE 23

int main(int argc, char** argv){

    ssize_t read;
    size_t len;
    char* line;
    int lineNumber = 0;
    FILE* tty;
    char c;

    tty = NULL;

    while((read = getline(&line, &len, stdin)) > 0){
        lineNumber++;
        printf("%s", line);
---Press RETURN for more---q
*** Pager terminated by Q command ***
bonny@bonny-Lenovo-Gaming:~/OSP4$ echo $?
0
bonny@bonny-Lenovo-Gaming:~/OSP4$ █
```

Launcher:

```
bonny@bonny-Lenovo-Gaming:~/OSP4$ ./launcher 100
Finished generating 100 candidate words
Child 12874 exited with 0
Accepeted 223126 words
Matched 1 words
TOX
Child 12875 exited with 0
Child 12876 exited with 0
bonny@bonny-Lenovo-Gaming:~/OSP4$ █
```

Without Signal Handler:

```
bonny@bonny-Lenovo-Gaming:~/OSP4$ ./launcher
WEI
DUX
ECR
VACOA
BIE
WRO
TPK
WOK
VIC
EGP
TRA
DUB
ZHO
CAP
DAU
VUG
ETF
ETS
DGA
SGI
VEU
CEN
EPD
---Press RETURN for more---█
```

```
EOS
DLA
BWV
ETC
EFF
DPE
SAMS
CUTK
TCR
RES
---Press RETURN for more---q
*** Pager terminated by Q command ***
Child 12884 exited with 0
Child 12883 exited with 13
Child 12882 exited with 13
bonny@bonny-Lenovo-Gaming:~/OSP4$ █
```

Launcher with Signal Handler Added:

```
SFM
EOE
TEX
DUA
RSE
ELP
VSR
ENS
CFB
SDRS
TLM
---Press RETURN for more---q
*** Pager terminated by Q command ***
Child 13092 exited with 0
pid 13091 received signal 13
Matched 1996 words
Child 13091 exited with 0
Child 13090 exited with 13
bonny@bonny-Lenovo-Gaming:~/OSP4$
```