```
 1: // $Id: segfault.c,v 1.11 2013-09-25 14:47:21-07 - - $
 2:
 3: // Illustrate a segfault.
 4:
 5: #include <stdio.h>
 6:
 7: int main (int argc, char **argv) {
 8:    for (int i = 0;; ++i) {
 9:       printf ("argv[%d]=\"%s\"\n", i, argv[i]);
10:       fflush (NULL);
11:    }
12: }
13:
14: /*
15: //TEST// env -i FOO=value1 BAR=value2 \
16: //TEST// PATH=/bin:/afs/cats.ucsc.edu/courses/cmps012b-wm/bin \
17: //TEST// runprog -x segfault.lis ./segfault
18: //TEST// mkpspdf segfault.ps segfault.c* segfault.lis
19: */
20:
```

```
 1: * @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: starting segfault.c
 2: * segfault.c: $Id: segfault.c,v 1.11 2013-09-25 14:47:21-07 - - $
 3: * gcc -g -O0 -Wall -Wextra -std=gnu99 segfault.c -o segfault -lm
 4: * segfault.c: In function 'main':
 5: * segfault.c:7:15: warning: unused parameter 'argc'
 6: [-Wunused-parameter]
 7: *  int main (int argc, char **argv) {
 8: *               ^
 9: * rm -f segfault.o
10: * @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: finished segfault.c
```

```
 1:
 2: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
 3: log: segfault.log
 4: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
 5:
 6:      1  Script  : /afs/cats.ucsc.edu/courses/cmps012b-wm/bin/runprog
 7:      2  limit c :    0 max core file size (KB)
 8:      3  limit f : 4194303 max output file size (KB)
 9:      4  limit t : 4294967295 max CPU time (sec)
10:      5  stdin   : /dev/null
11:      6  stdout  : segfault.out
12:      7  stderr  : segfault.err
13:      8  log     : segfault.log
14:      9  listing : segfault.lis
15:     10  Command : ./segfault
16:     11  starting: pid 16231: 16:04:00.00
17:     12  finished: pid 16231: 16:04:00.00, real 0.00, user 0.00, sys 0.00
18:     13  pstatus: 0x008B TERMINATED 11: Segmentation fault (core dumped)
19:
20: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
21: stdin: /dev/null
22: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
23:
24:
25: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
26: stdout: segfault.out
27: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
28:
29:      1  argv[0]="./segfault"
30:      2  argv[1]="(null)"
31:      3  argv[2]="FOO=value1"
32:      4  argv[3]="BAR=value2"
33:      5  argv[4]="PATH=/bin:/afs/cats.ucsc.edu/courses/cmps012b-wm/bin"
34:      6  argv[5]="(null)"
35:
36: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
37: stderr: segfault.err
38: ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
39:
```