```
 1: #!/afs/cats.ucsc.edu/courses/cmps112-wm/usr/smalltalk/bin/gst -f
 2: "$Id: catfile.st,v 1.11 2012-03-02 15:10:13-08 - - $"
 3: execname := '$RCSfile: catfile.st,v $' =~ '.*: (.*),v.*' at: 1.
 4:
 5: FileStream extend [
 6:    nl := Character nl.
 7:    catFile [
 8:        |count|
 9:        count := 0.
10:        [self atEnd not] whileTrue: [
11:            count := count + 1.
12:            count asString size to: 5 do: [:skip| stdout << ' '].
13:            stdout << count << ': ' << self nextLine << nl.
14:        ]
15:    ]
16: ]
17:
18: nl := Character nl.
19: Smalltalk arguments size = 0
20:    ifTrue: [stdin catFile]
21:    ifFalse: [
22:        Smalltalk arguments do: [:filename |
23:            |separator|
24:            separator := ':::::::::::::::::::::::::::::::::'.
25:            stdout << separator << nl << filename << nl << separator << nl.
26:            filename = '-'
27:                ifTrue: [stdin catFile]
28:                ifFalse: [
29:                    [
30:                        |infile|
31:                        infile := FileStream open: filename
32:                                            mode: FileStream read.
33:                        infile catFile.
34:                        infile close.
35:                    ] on: SystemExceptions.FileError do: [:signal |
36:                        |errno|
37:                        errno := File errno.
38:                        stdout flush.
39:                        stderr << execname << ': ' << filename << ': '
40:                               << signal messageText << nl.
41:                        stderr flush.
42:                    ]
43:                ]
44:        ]
45:    ]
46:
47: "TEST: echo 'This is a test file.' >test.data"
48: "TEST: echo 'Hello, world!' >>test.data"
49: "TEST: echo 'foo bar baz qux' >>test.data"
50: "TEST: catfile.st test.data mks /dev/null"
51: "TEST: rm test.data"
52:
```

```
 1: ****mks**** echo 'This is a test file.' >test.data 2>&1
 2: ****status: 0x0000
 3:
 4: ****mks**** echo 'Hello, world!' >>test.data 2>&1
 5: ****status: 0x0000
 6:
 7: ****mks**** echo 'foo bar baz qux' >>test.data 2>&1
 8: ****status: 0x0000
 9:
10: ****mks**** catfile.st test.data mks /dev/null 2>&1
11: ::::::::::::::::::::::::::::::::
12: test.data
13: ::::::::::::::::::::::::::::::::
14:        1: This is a test file.
15:        2: Hello, world!
16:        3: foo bar baz qux
17: ::::::::::::::::::::::::::::::::
18: mks
19: ::::::::::::::::::::::::::::::::
20:        1: #!/usr/bin/perl
21:        2: # $Id: mks,v 1.1 2012-02-23 18:34:28-08 - - $
22:        3: #
23:        4: # Run Smalltalk programs and capture output.
24:        5: #
25:        6:
26:        7: $0 =~ s|.*/||;
27:        8: system "cid $0";
28:        9: for $prog (@ARGV) {
29:       10:     system "cid $prog";
30:       11:     @commands = `perl -ne 'print if s|"TEST: (.*)"|\$1|' $prog`;
31:       12:     print @commands;
32:       13:     $lis = "$prog.lis";
33:       14:     open LIS, ">$lis" or die "$0: $lis: $!\n";
34:       15:     for $command (@commands) {
35:       16:         chomp $command;
36:       17:         $command =~ s/$/ 2>&1/;
37:       18:         print LIS "****$0**** $command\n";
38:       19:         print LIS `$command`;
39:       20:         printf LIS "****status: 0x%04X\n\n", $?;
40:       21:         print "\n";
41:       22:     }
42:       23:     close LIS;
43:       24:     system "mkpspdf $prog.ps $prog $prog.lis";
44:       25: }
45:       26:
46: ::::::::::::::::::::::::::::::::
47: /dev/null
48: ::::::::::::::::::::::::::::::::
49: ****status: 0x0000
50:
51: ****mks**** rm test.data 2>&1
52: ****status: 0x0000
53:
```