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1: #!/afs/cats.ucsc.edu/courses/cmpls112-wm/usr/smalltalk/bin/gst -f
2: "$Id: catfile.st,v 1.2 2019-02-05 12:36:09-08 - - $"
3: execname := '$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:            |padded|
12:            count := count + 1.
13:            padded := count printPaddedWith: Character space to: 6.
14:            stdout << padded << ': ' << self nextLine << nl.
15:        ]
16:    ]
17: ]
18:
19: nl := Character nl.
20: Smalltalk arguments size = 0
21: ifTrue: [stdin catFile]
22: ifFalse: [
23:     Smalltalk arguments do: [:filename |
24:         |separator|
25:         separator := '::::::::::::::::::::::::::::::::::'.
26:         stdout << separator << nl << filename << nl << separator << nl.
27:         filename = '-'
28:         ifTrue: [stdin catFile]
29:         ifFalse: [
30:             [
31:                 |infile|
32:                 infile := FileStream open: filename
33:                                     mode: FileStream read.
34:                 infile catFile.
35:                 infile close.
36:             ] on: SystemExceptions.FileError do: [:signal |
37:                 |errno|
38:                 errno := File errno.
39:                 stdout flush.
40:                 stderr << execname << ': ' << filename << ': '
41:                     << signal messageText << nl.
42:                 stderr flush.
43:             ]
44:         ]
45:     ]
46: ]
47:
48: "TEST: echo 'This is a test file.' >test.data"
49: "TEST: echo 'Hello, world!' >>test.data"
50: "TEST: echo 'foo bar baz qux' >>test.data"
51: "TEST: catfile.st test.data mks /dev/null"
52: "TEST: rm test.data"
53:
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1: .....:
2: mkst: echo 'This is a test file.' >test.data
3: .....:
4: .....:Exit status 0
5: .....:
6: mkst: echo 'Hello, world!' >>test.data
7: .....:
8: .....:Exit status 0
9: .....:
10: mkst: echo 'foo bar baz qux' >>test.data
11: .....:
12: .....:Exit status 0
13: .....:
14: mkst: catfile.st test.data mks /dev/null
15: .....:
16: .....:
17: test.data
18: .....:
19:     1: This is a test file.
20:     2: Hello, world!
21:     3: foo bar baz qux
22: .....:
23: mks
24: .....:
25: .....:
26: /dev/null
27: .....:
28: .....:Exit status 0
29: .....:
30: mkst: rm test.data
31: .....:
32: .....:Exit status 0

```