

```
1: let rcsid = "$Id: ncat.ml,v 330.3 2003-02-04 17:09:21-08 - - $"
2:   ;;
3:
4: (*
5:  * NAME
6:  *   ncat - list files to the standard output
7:  *
8:  * SYNOPSIS
9:  *   ncat [filename...]
10:  *
11:  * DESCRIPTION
12:  *   Each file given in the argument list is copied to the standard
13:  *   output, in sequence, preceded by a file header.  Non-printing
14:  *   characters ([\x00-\x1F\x7F-\xA0], except \n and \t) are printed
15:  *   in hexadecimal.  If no filenames are given, stdin is copied.
16:  *)
17:
18: let complain message =
19:   ( flush stdout;
20:     Printf.eprintf "%s: %s\n" Sys.argv.(0) message;
21:     flush stderr );;
22:
23: let display byte =
24:   let printable = byte = '\t'
25:     || byte = '\n'
26:     || ' ' <= byte && byte <= '~'
27:     || ';' <= byte && byte <= 'ÿ'
28:   in if printable
29:      then Printf.printf "%c" byte
30:      else Printf.printf "\\x%02X" (int_of_char byte)
31:   ;;
32:
33: let printlines readline =
34:   let rec printloop linecount =
35:     try let nextline = readline ()
36:        in( Printf.printf "%6d " linecount;
37:            String.iter display nextline;
38:            print_newline ();
39:            printloop (linecount + 1) )
40:     with End_of_file -> flush stdout
41:   in printloop 1
42:   ;;
43:
44: let printfile filename =
45:   try let file = open_in filename
46:      and sep = "===== "
47:      in ( Printf.printf "\n%s\n== %s\n%s\n\n" sep filename sep;
48:          printlines (fun () -> input_line file) )
49:   with Sys_error message -> complain message
50:   ;;
51:
52: let listfiles () =
53:   let argvfiles = Array.length Sys.argv - 1;
54:   in if argvfiles = 0
55:      then printlines read_line
56:      else Array.iter printfile (Array.sub Sys.argv 1 argvfiles)
57:   ;;
58:
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59: if not ! Sys.interactive then listfiles ();;  
60:
```