lisp java desc

### tSTREAM / STREAM (abstract)

open-stream-p

g open

close

s with-open-file

stream-element-type

- v \*debug-io\*
- v \*error-output\*
- v \*query-io\*
- v \*standard-input\*
- v \*standard-output\*
- v \*terminal-io\*
- v \*trace-output\*

# tINPUT\_STREAM / INPUT\_STREAM (abstract)

clear-input

listen

peek-char

read

read-byte

read-char

read-char-no-hang

read-delimited-list

g read-from-string

read-line

read-preserving-whitespace

unread-char

## tOUTPUT\_STREAM / OUTPUT\_STREAM (abstract)

clear-output

finish-output

force-output

format

fresh-line

- I pprint
- I prin1
- I prin1-to-string
- I princ
- I princ-to-string
- I print
- I terpri

write

write-byte

write-char

write-line

write-string

write-to-string

## tBIDIRECTIONAL (type only)

y-or-n-p

yes-or-no-p

## tSYNONYM\_STREAM / SYNONYM\_STREAM

c make-synonym-stream synonym-stream-symbol

## tTWO\_WAY\_STREAM / TWO\_WAY\_STREAM

c make-two-way-stream two-way-stream-input-stream two-way-stream-output-stream

tSTREAM\_DESIGNATOR

tFILE\_STREAM

g open

tFILE\_INPUT\_STREAM

tFILE\_OUTPUT\_STREAM

tSTRING\_STREAM

### tSTRING INPUT STREAM

- c make-string-input-stream
- s with-input-from-string

### tSTRING\_OUTPUT\_STREAM

- c make-string-output-stream get-output-stream-string
- s with-output-to-string

## tBROADCAST\_STREAM

c make-broadcast-stream broadcast-stream-streams

#### tCONCATENED STREAM

c make-concatened-stream concatened-stream-streams

## tECHO\_STREAM

c make-echo-stream echo-stream-input-stream echo-stream-output-stream