

-- IODefs.Mesa Edited by Wick on August 27, 1977 6:03 PM

DIRECTORY

StreamDefs: FROM "streamdefs";

DEFINITIONS FROM StreamDefs;

IODefs: DEFINITIONS = BEGIN

-- some control characters

NUL: CHARACTER = 0C;
ControlA: CHARACTER = 1C;
ControlB: CHARACTER = 2C;
ControlC: CHARACTER = 3C;
ControlD: CHARACTER = 4C;
ControlE: CHARACTER = 5C;
ControlF: CHARACTER = 6C;
ControlG, BEL: CHARACTER = 7C;
ControlH, BS: CHARACTER = 10C;
ControlI, TAB: CHARACTER = 11C;
ControlJ, LF: CHARACTER = 12C;
ControlK: CHARACTER = 13C;
ControlL, FF: CHARACTER = 14C;
ControlM, CR: CHARACTER = 15C;
ControlN: CHARACTER = 16C;
ControlO: CHARACTER = 17C;
ControlP: CHARACTER = 20C;
ControlQ: CHARACTER = 21C;
ControlR: CHARACTER = 22C;
ControlS: CHARACTER = 23C;
ControlT: CHARACTER = 24C;
ControlU: CHARACTER = 25C;
ControlV: CHARACTER = 26C;
ControlW: CHARACTER = 27C;
ControlX: CHARACTER = 30C;
ControlY: CHARACTER = 31C;
ControlZ: CHARACTER = 32C;
ESC: CHARACTER = 33C;
SP: CHARACTER = 40C;
DEL: CHARACTER = 177C;

-- numerical output formatting

NumberFormat: TYPE = RECORD [
base: [2..36],
zerofill, unsigned: BOOLEAN,
columns: [0..255]];

GetInputStream, GetOutputStream: PROCEDURE RETURNS [StreamHandle];

NewLine: PROCEDURE RETURNS [BOOLEAN];

ReadChar: PROCEDURE RETURNS [CHARACTER];

WriteChar: PROCEDURE [CHARACTER];

ReadEditedString: PROCEDURE [
STRING, PROCEDURE[CHARACTER]RETURNS[BOOLEAN], BOOLEAN]
RETURNS [CHARACTER];

ReadString: PROCEDURE [STRING, PROCEDURE[CHARACTER]RETURNS[BOOLEAN]];

WriteString: PROCEDURE [STRING];

Rubout, InvalidNumberBase: SIGNAL;

LineOverflow: SIGNAL [s: STRING] RETURNS [ns: STRING];

ReadID, ReadLine, WriteLine: PROCEDURE [STRING];

OutNumber: PROCEDURE [StreamHandle, UNSPECIFIED, NumberFormat];

WriteNumber: PROCEDURE [UNSPECIFIED, NumberFormat];

ReadNumber: PROCEDURE [default: UNSPECIFIED, radix: CARDINAL] RETURNS [UNSPECIFIED];

ReadOctal: PROCEDURE RETURNS [UNSPECIFIED];

WriteOctal: PROCEDURE [UNSPECIFIED];

ReadDecimal: PROCEDURE RETURNS [INTGFR];

WriteDecimal: PROCEDURE [INTGFR];

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StreamIO: PROGRAM [Input, Output: StreamHandle];  
END.
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