

FileNames

COLLABORATORS

	<i>TITLE :</i> FileNames		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		November 24, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	FileNames	1
1.1	FileNames	1
1.2	TMP:Modula-2/FileNames.def	1

Chapter 1

FileNames

1.1 FileNames

Prozeduren

GetExtension
ReadFileName

GetPath

MakeFileName

Konstanten

noEcho

Typ-Deklarationen

ReadProc

WriteProc

1.2 TMP:Modula-2/FileNames.def

```
DEFINITION MODULE FileNames;  
(*$ LargeVars:=FALSE NameChk:=FALSE *)  
(* 2.1 / 29.5.87 / ms *)
```

```
FROM SYSTEM IMPORT CAST;
```

```
TYPE
```

```
  ReadProc =PROCEDURE (VAR CHAR);  
  WriteProc =PROCEDURE (CHAR);
```

```
CONST
```

```
  noEcho=CAST( WriteProc ,NIL);  
(*  
 * ReadFileName reads a filename using the supplied I/O  
 * routines. Read should not echo, Write should interpret  
 * <bs> and <del> as erasing the last character. len  
 * gives the number of characters in the filename. If the  
 * user hits <esc> the filename is returned empty with  
 * len=0. <cr> is ignored on an empty input else it  
 * terminates the string. All characters
```

```
* [" " ..CHAR(del-1)] are accepted.
*
* ReadFileName(fname, len, Terminal.Read, Terminal.Write);
* user: df1:exec/Alerts.sym<cr>
* fname="df1:exec/sym/Alerts.sym"; len=23;
*)
PROCEDURE ReadFileName(
    VAR fname: ARRAY OF CHAR; VAR len: INTEGER;
    readProc: ReadProc ; writeProc: WriteProc );
(*
* GetPath removes the path info in fname and stores it
* in path. len is assumed to hold the length of fname
* and is set according to the new length of fname.
*
* GetPath(fname, path, len);
* fname="Alerts.sym"; len=10;
* path = "df1:exec/sym/";
*)
PROCEDURE GetPath(
    VAR fname, path: ARRAY OF CHAR;
    VAR len: INTEGER);

(*
* GetExtension works as GetPath except that it removes
* any extension from the filename. An extension is
* assumed to be separated by a dot.
*)
PROCEDURE GetExtension(
    VAR fname, extension: ARRAY OF CHAR;
    VAR len: INTEGER);

(*
* MakeFileName is a simple concat of the four strings.
* It is useful to concat filenames.
*
* MakeFileName(
*     fname, len, "df1:", "exec/sym/", "Alerts", ".sym")
*     fname="df1:exec/sym/Alerts.sym"; len=23;
*
*)
PROCEDURE MakeFileName(
    VAR fname: ARRAY OF CHAR; VAR len: INTEGER;
    dev, dir, name, ext: ARRAY OF CHAR);

END FileNames.
```
