

c_dtc.doc

COLLABORATORS

	<i>TITLE :</i> c_dtc.doc		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		August 30, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	c_dtc.doc	1
1.1	c_dtc.doc	1
1.2	c.datatype/c.datatype	1

Chapter 1

c_dtc.doc

1.1 c_dtc.doc

c.datatype

1.2 c.datatype/c.datatype

NAME

c.datatype - data type for any c source

FUNCTION

This datatype is designed to display C and C++ source codes. It display's different parts of the C source in different style and color. At the moment these parts are :

- STANDARD - any text which, doesn't match the following parts
- COMMENT - any comment such like `/* ... */` and `// ...`
- CPP - any C-PreProcessor keyword like `"#define"` or `"#include"`
- KEYWORD - any C/C++ keyword, which isn't handled explicitly
- STORAGE - `extern, static, register, auto` keywords
- TYPES - basic type keywords like `int, char, long` etc.
- TYPENAME - any name following a `struct, union, class` or `enum`
- STRING - any string or char literal
- NUMBER - any number constant decimal, hex

It uses a parser generated by bison with my yacc grammer. Because it's a parser, it may occur a parse error on some unusual source code. If this happens please send me a description of this parse error and maybe the input file. So I can fix this problem !

PREFS

Env:DataTypes/c.prefs with the following two ReadArgs() templates :

- CPART/A/K, PEN/N/K, R=RED/N/K, G=GREEN/N/K, B=BLUE/N/K, ITALIC/S, BOLD/S, UNDERLINED/S, TEXT/S

CPART is one of the explained cpart names like COMMENT or CPP.
PEN assigns the color with the pen number to the specified part
R,G,B defines a new color for the specified part. This color is

```
        allocated with ObtainBestPenA(...,OBP_Precision,
                                           PRECISION_ICON);
ITALIC,BOLD,UNDERLINED specifies the font style for the part
TEXT treat this CPART as normal text

- GLOBAL/A/S,TABLENGTH/N/K

GLOBAL indicates, that this line is a global setting. Note: The
  /A/S combination isn't supported from ReadArgs(), so I check
  it manually !
TABLENGTH - number of spaces to use for a tab !
```

AUTHOR

Stefan Ruppert
Windthorststrasse 5
65439 Floersheim am Main
Germany
EMail: ruppert@vs3.informatik.fh-wiesbaden.de

SEE ALSO

text.datatype
