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% keyboard_doc.txt original file name.      An idea of Bernard Gaulle 93/08/17

%
%                                     Copyright Bernard Gaulle as in french_doc.pdf
%
%
%                                     last mods 2004/02/24
%
% A LaTeX package able to customize LaTeX accordingly to your keyboard and
% translate a text from any input encoding to your own screen chars.
%
% Usage:      \documentclass[any_option]{any_class}
%             \usepackage[options]{keyboard}
%
% Among options you can choose:
%
% - the keyboard input encoding
%   =====
%   ansinew, for ANSINew encoding (Windows)
%   latin1, for ISO-Latin-1 (8859-1) remember: without french \oe!
%   latin9, for ISO-Latin-9 (8859-15) remember: with french \oe!
%           *default* if no keyboard.dat (user config. file)
%           and no keyboard.cfg (site config. file).
%   utf8, for utf8 part of unicode.
%   decmulti, for Dec Multinational
%   cp850, for PC DOS code page 850.
%   applemac, for usual Mac keyboards.
%   next, for Next engines.
%   ascii, for no input encoding. This is also an output option.
%
%   or any other of your choice assuming a xxx.kbc file exists.
%   (You can need to configure your own xxx.kbc file because
%   currently default xxx.kbc files are specially configured for French users)
%
% - the keyboard output encoding when using \kbtypeout{message}
%   =====
%   8b, force 8-bit output.
%   7b, force "a la TeX" output, ie with macros such as \'e for e-accute.
%           (never expand to any 8bit character).
%   ascii, full 7bit coding output. This is also an input option.
%   ansi **no more used**
%   onlychars, will output only chars defined as such (\catcode 11 or 12).
%   nooutputencoding for "do nothing when type out".
%
% This is currently just an input encoding.
% Will be also output encoding in a next version.
%
%%
%%      checksum      = "55499 158 573 7232"
%%
\ifnum\catcode'\@=11\else\expandafter\catcode'\@=11\fi
\ifx\kbencoding\undefined%
  \def\kbencoding#1{\edef\resetat{\noexpand\catcode\string'%
    \noexpand\@the\catcode'\@}\makeatletter%
    \def\@kbencoding{#1}\@input kbconfig.tex \resetat}%
\fi%
\expandafter\let\expandafter\@aiguORI\expandafter=%
  \csname OT\string1\string'\endcsname%
\expandafter\let\expandafter\@gravORI\expandafter=%
  \csname OT\string1\string'\endcsname%

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\expandafter\let\expandafter\@acchORI\expandafter=%
\csname OT\string1\string\^ \endcsname%
\expandafter\let\expandafter\@tremORI\expandafter=%
\csname OT\string1\string\ " \endcsname%
\expandafter\let\expandafter\@cediORI\expandafter=%
\csname OT\string1\string\c \endcsname%
\def\@kbtypeout[#1]#2{\ifEightBitOutput\let\@typeset@protect\protect\fi%
\edef\f@tempa{#2\empty}% Expand it now and type out.
#1{\f@tempa}\egroup}%
\def\kbtypeout{\kbIO[\typeout]}%..... \kbtypeout
\def\kbIO{\bgroup%..... \kbIO
\ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
\csname nomenclature\endcsname% No micro typography.
\let\@noblaces\@firstofone%
\let\protect\string%
\ifEightBitOutput% eg by kbconfig. Nullify accent macros when
\def\'##1{\expandafter\@noblaces\@aiguORI##1}%
\def\'##1{\expandafter\@noblaces\@gravORI##1}%
\def\^##1{\expandafter\@noblaces\@acchORI##1}%
\def\"##1{\expandafter\@noblaces\@tremORI##1}%
\def\c##1{\expandafter\@noblaces\@cediORI##1}%
\csname @kbspecials\endcsname% Translation settings.
\else% 7-bit output wanted.
\let\add@accent\@gobble%
\ifx\kb@ansi\undefined%
\def\set@display@protect{\let\protect\noexpand}% Have spaces!
\else\def\set@display@protect{%
\def\protect####1####2{\ifcat####2Z####2\else OE ####2\fi}%
}% or no macros.
\fi%
\fi%
\@kbtypeout}%
%
%% Output options
%
\DeclareOption{8b}{\let\ifEightBitOutput\iftrue% Be sure your TeX engine
\def\@GobbleEmpty{ }% output correctly 8-bit chars!
\def\dGs{ { } }%
}%
\DeclareOption{7b}{\let\ifEightBitOutput\iffalse% No 8b and
\let\kbtypeout\typeout% no expansion
\let\charsubdef\undefined% but active chars.
\def\dGs{\noexpand\dGs}%
}%
%%
\def\dGs{ { } }%
}%
\DeclareOption{ansi}{\ExecuteOptions{onlychars}}%
\DeclareOption{onlychars}{\let\ifEightBitOutput\iffalse%
\kbencoding{ascii}%
\def\@kbtypeout[#1]#2{%
\InputIfFileExists{\language fc.tex}{ }{}%
\expandafter\def\csname\f@encoding-cmd\endcsname##1{%
\expandafter\@noblaces\@gobble}%
\def\@x@protect##1\fi##2##3{\fi\expandafter\@x@protect\string##1+}%

\def\noexpand##1{\string##1\@GobbleEmpty}%
\def\@@x@protect##1##2+{##2}%
\let\add@accent\@gobble%
#1{#2\empty}\egroup}%
\DeclareOption{nooutputencoding}{\let\kbtypeout\typeout}%
%

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[illegible]