```
% keyboard_doc.txt original file name.       An idea of Bernard Gaulle 93/08/17
%                                  Copyright Bernard Gaulle as in french_doc.pdf
%
%                                                              last mods 2005/02/10
%
% A LaTeX package able to customize LaTeX accordingly to your keyboard and
% translate a text from ony 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)
%
%    noutf8, to avoid loading lot of utf8 files if never used.
%
% - the keyboard output encoding when using \kbtypeout{message}
%                ===============
%    8b, force 8-bit output recoding.
%    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        = "51934 226 802 10370"
%%
\ifnum\catcode`\@=11\else\expandafter\catcode`\@=11\fi
%
\ifx\languagename\undefined\else\edef\l@nguagename{\languagename}\fi
\DeclareOption{french}{\edef\l@nguagename{\CurrentOption}%
                      }
\DeclareOption*{}% Don't process now\edef\l@nguagename{\CurrentOption}%
\ProcessOptions% Process global options
%
\ifx\kbencoding\undefined%
     \def\kbencoding#1{\edef\resetat{\noexpand\catcode\string`%
                       \noexpand\@\the\catcode`\@}\makeatletter%
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                      \def\@kbencoding{#1}\@@input kbconfig.tex \resetat}%
\fi%
\RequirePackage{msg}% Issue the messages with the "msg" package
\AtBeginDocument{\ifx\@msgencoding\undefined%
                  \else\def\@msgencoding#1{\kbencoding{#1}}%
                 \fi}%
  \expandafter\let\expandafter\@aiguORI\expandafter=%
               \csname OT\string1\string\'\endcsname%
  \expandafter\let\expandafter\@gravORI\expandafter=%
               \csname OT\string1\string\`\endcsname%
  \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.
                      \let\protect\relax% not \set@typeset@protect
                      #1{\f@tempa}\egroup}%
\def\kbtypeout{\kbIO[\typeout]}%.................................  \kbtypeout
\def\kbIO{\bgroup%...............................................  \kbIO
        \ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
        \let\@nobraces\@firstofone%
        \set@display@protect%\let\protect\string%
        \ifEightBitOutput% eg by kbconfig. Nullify accent macros when
             \def\'##1{\expandafter\@nobraces\@aiguORI##1}%
             \def\`##1{\expandafter\@nobraces\@gravORI##1}%
             \def\^##1{\expandafter\@nobraces\@acchORI##1}%
             \def\"##1{\expandafter\@nobraces\@tremORI##1}%
             \def\c##1{\expandafter\@nobraces\@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
%
\let\issuemsgio\kbtypeout% Let the "msg" pkg use defaultly our output macro.
\DeclareOption{8b}{\let\ifEightBitOutput\iftrue% Be sure your TeX engine
                   \def\@GobbleEmpty{}% output correctly 8-bit chars!
                   \def\dGs{ {}}%
\ifx\charsubdef\undefined\else%
                   \let\charsubdef\undefined% bg 2005/01/25
                   %{The mltex feature is nullified due to the option #1}{}
                   \issuemsg[\kbtypeout]{86}(keyboard)[8b]%
\fi%
% Allow \GenericWarning to display real 8bit messages.
\expandafter\long\expandafter%
\def\csname GenericWarning \endcsname#1#2{\begingroup\def\MessageBreak{#1}%
        \kbtypeout{}% Simulate ^^J before sending the warning.
        \set@display@protect\kbtypeout{#2\on@line.^^J}\endgroup}
                  }%
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\DeclareOption{7b}{\let\ifEightBitOutput\iffalse% No 8b and
                   \let\kbtypeout\typeout% no expansion
                   \def\dGs{\noexpand\dGs}%
\ifx\charsubdef\undefined\else%
                   \let\charsubdef\undefined% bg 2005/01/25
                   %{The mltex feature is nullified due to the option #1}{}
                   \issuemsg[\kbtypeout]{86}(keyboard)[7b]%
\fi%
                  }%
\DeclareOption{ansi}{\ExecuteOptions{onlychars}}%
\DeclareOption{onlychars}{\let\ifEightBitOutput\iffalse%
       \kbencoding{ascii}%
       \def\@kbtypeout[#1]#2{%
           \InputIfFileExists{\languagename fc.tex}{}{}%
           \expandafter\def\csname\f@encoding-cmd\endcsname##1{%
                                \expandafter\@nobraces\@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}%
%
%%% Input options
%
\def\@lKBo{\edef\f@tempa{\@kbencoding}%
           \let\f@tempg\CurrentOption%
           \ifx\ifEightBitOutput\undefined%
                \ExecuteOptions{7b}%
           \fi% Load option.kbc file
           \ifx\f@tempa\CurrentOption\else\expandafter% if not already
                \kbencoding\expandafter{\CurrentOption}% loaded.
           \fi}%
\DeclareOption{ascii}{\let\ifEightBitOutput\iffalse%
                      \kbencoding{ascii}%
                      \let\kb@ansi\relax%
                      \def\@kbtypeout[#1]#2{\edef\f@tempa{#2\empty}%
                                            #1{\f@tempa}\egroup}%
                     }%
\DeclareOption{ansinew}{\@lKBo}% To allow global option.
\DeclareOption{applemac}{\@lKBo}% To allow global option.
\DeclareOption{cp850}{\@lKBo}% To allow global option.
\DeclareOption{decmulti}{\@lKBo}% To allow global option.
\DeclareOption{default}{\kbencoding{latin9}}%
\DeclareOption{latin1}{\@lKBo}% To allow global option.
\DeclareOption{latin9}{\@lKBo}% To allow global option.
\DeclareOption{next}{\@lKBo}% To allow global option.
\DeclareOption{noutf8}{% To avoid loading virtual noutf8.kbc.
             \def\@inpenc@test{%
           \issuemsg[\kbtypeout]{78}(keyboard)%
%          \message{^^J  -78- ERROR: conflicting noutf8 option provided.}%
               \stop%
                           }% No more code here,
                       }% real code is just below, before process of options.
\DeclareOption{utf8}{\@lKBo}%
\DeclareOption*{\@lKBo}%
% Prepare preloading of utf8 encoding.
\def\f@tempf{\edef\f@tempd{utf8}%
             \ifx\f@tempd\@kbencoding%
              \else% If no utf8 in format then
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      \let\f@tempb\@kbencoding\expandafter% (first save format encoding, then)
      \kbencoding\expandafter{\f@tempd}% set appropriate utf8 definitions
      \let\@kbencoding\f@tempb% (and restore format encoding).
             \fi}%
% If noutf8 option is provided, don’t force preloading of utf8.
\def\f@tempe#1/{\f@tempa#1,}
\def\f@tempa#1,{\def\f@tempd{#1}\edef\f@tempb{noutf8}%
    \def\f@tempc{\ifx\f@tempd\f@tempb\else\expandafter\f@tempf\fi\f@tempa}%
    \ifx\f@tempd\empty\expandafter\@gobble\else\expandafter\f@tempc\fi}%
\ifx\f@tempg\undefined%
    \expandafter\let\expandafter\f@tempg\csname opt@keyboard.sty\endcsname%
\fi%
\ifx\f@tempg\empty%
 \ifx\UTFviii@two@octets\undefined%
\issuemsg[\kbtypeout]{79}(keyboard)%
%\message{^^J -79- keyboard.sty: no local option given, %
%                                no utf8 encoding available.}
 \fi%
\else
\expandafter\f@tempe\f@tempg,/\relax% Scan options for noutf8.
\fi%
%
\InputIfFileExists{keyboard.cfg}{}{}% load site configuration file
\InputIfFileExists{keyboard.dat}{}{}% load user configuration file
\ifx\undefined\@kbencoding\ExecuteOptions{default}\fi%
\ProcessOptions%
\ProvidesPackage{keyboard}[2005/01/26 keyboard definitions now loaded.]
\def\@tempa{\ErrFrench}
\ifx\ifFLA\@tempa%
\issuemsg[\kbtypeout]{74}(keyboard)%
%\message{^^J  -74- ERROR, keyboard package loaded after  %
%          \frenchpack!}
\stop%
\fi%
\def\@tempa#1{\issuemsg[\kbtypeout]{57}(keyboard)[#1]%
        %{ -57- keyboard package   #1 loaded; target font encoding is %
        % \f@encoding.^^J}%
             }%
\@tempa{V5.4}%
% Notice that:
% kbconfig provides, if not already defined, a new \if command
% \ifEightBitOuput which is usualy set to false with standard TeX
% but set to true  when the 8-bit change file of TeX has been implemented
% and activated; i mean the -translate option of web2c engines.
% This boolean value can be reset, if necessary, after kbconfig.
\endinput%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```