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[1] % (This file is public domain.)
[2] % Demonstrate how Eplain can be used to include a TeX source file
[3] % verbatim, typesetting comments in colored italic typewriter type.
[4]
[5] % Load Eplain and LaTeX's color.sty package.
[6] \input eplain
[7] \beginpackages \usepackage{color} \endpackages
[8] \nopagenumbers % Disable page numbers.
[9] \font\commentfont = cmitt10 % Font for the comments (italic \tt).
[10] % We'll define some 'protected' macros with '@' in their names.
[11] \makeatletter
[12] % Define an equivalent of Eplain's \letreturn, to be able to assign
[13] % various actions to the (active) percent character.
[14] \begingroup \makeactive\%
[15]   \gdef\letpercent{\let}%
[16] \endgroup
[17] % The listing hook to be called in \setuplistinghook, see below. It
[18] % makes '%' active and assigns it a 'start comment' action.
[19] \def\hlightcommentslisting{\makeactive\% \letpercent\start@comment}%
[20] % This is what '%' is aliased to before a comment is started.
[21] \def\start@comment{%
[22]   \leavevmode % Needed in the very first line of the input to process
[23]               % the new par (possibly inserting line number) before we
[24]               % kick in with the color and stuff.
[25]   \begingroup % Isolate color and font changes and the redefinitions.
[26]     \commentfont
[27]     \color[cmym]{0.28,1,1,0.35}%
[28]     \percentchar % Produce the actual '%' and
[29]     \letpercent\percentchar % make all following '%'s do the same.
[30]     \letreturn\end@comment % Call \end@comment at end-of-line.
[31]   }
[32] % \end@comment (alias for ^M inside a comment) will end the comment
[33] % started by \start@comment. We make ^M active temporarily so that
[34] % the active version of ^M gets "frozen" into \end@comment.
[35] \begingroup \makeactive\^M % Avoid ^M's from here on.
[36]   \gdef\end@comment{\endgroup ^M}%
[37] \endgroup
[38] \resetatcatcode % Make '@' again inaccessible for use in macro names.
[39]
[40] % Define \setuplistinghook to setup comments highlighting, line
[41] % numbering and omitting the last (empty) line of input.
[42] \def\setuplistinghook{\hlightcommentslisting \linenumberedlisting
[43]                       \nolastlinelisting}
[44] % Isn't this fun? This file typesets itself, with the extra bonus of
[45] % the pretty-printed comments and numbered source lines!
[46] \listing{lscommnt}
[47] \bye

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