1 The Hindi language

The file `hindi.dtx`[1] implements the language features for Hindi in the babel system. There are no hyphenation patterns, therefore just the captions and Europian style date are defined. It is difficult, or maybe even impossible, to convert the TEX's date into the traditional Indian date (tithi). Such functionality will hardly ever be provided.

Remember that the file does not work without the Velthuis Devanāgarī for TEX. Look into its manual for instructions how to use Hindi with babel.

The macro `\LdfInit` takes care of preventing that this file is loaded more than once, checking the category code of the `@` sign, etc.

```
⟨*code⟩
\LdfInit\CurrentOption{captions\CurrentOption}
```

When the option modern was used, redefine `\CurrentOption` to prevent problems later on.

```
\gdef\CurrentOption{hindi}%
\edef\bbl@main@language{\CurrentOption}%
```

When this file is read as an option, i.e. by the `\usepackage` command, `hindi` could be an 'unknown' language in which case we have to make it known. So we check for the existence of `\l@hindi` to see whether we have to do something here.

```
\ifx\l@hindi\@undefined
  \@nopatterns{hindi}
  \adddialect\l@hindi0\fi
```

Now we declare the `modernhindi` language attribute.

```
\bbl@declare@ttribute{hindi}{modernhindi}{%
  \let\captionshindi\captionsmodernhindi
  \let\datehindi\datemodernhindi
  }
```

The file supports both XETEX and traditional TEX. We thus check the engine first.

```
\expandafter\ifx\csname XeTeXrevision\endcsname\relax
```

Font styles are defined as language attributes. They make no sense in XELATEX.

```
  \bbl@declare@ttribute{hindi}{bombay}{\def\dnfamilydefault{dnb}}
  \bbl@declare@ttribute{hindi}{calcutta}{\def\dnfamilydefault{dnc}}
  \bbl@declare@ttribute{hindi}{nepali}{\def\dnfamilydefault{dnn}}
  \bbl@declare@ttribute{hindi}{pen}{\def\dnfamilydefault{dnp}}
  \bbl@declare@ttribute{hindi}{penbombay}{\def\dnfamilydefault{dnpb}}
  \bbl@declare@ttribute{hindi}{pencalcutta}{\def\dnfamilydefault{dnpc}}
  \bbl@declare@ttribute{hindi}{pennepali}{\def\dnfamilydefault{dnpn}}
```

[1] The file described in this section has version number v1.0a and was last revised on 2007/05/11. The original author is Zdenek Wagner. The module is based on the Velthuis Devanāgarī for TEX.

Support for typesetting in the Devanāgarī script as well as captions names definitions for Hindi is loaded from `devanagari.sty`. New version is needed, therefore the package date is checked. The plain TEX version currently does not define captions.

```
\expandafter\ifx\csname RequirePackage\endcsname\relax
  \input dnmacs
\else
  \AtEndOfPackage{\RequirePackage[nocatcodes]{devanagari}[2006/06/21]}
\fi
```

The XǝLATEX captions are written directly in UTF-8 and will be unprintable in the documentation of this file. The file with caption definitions (`hindicaptions.sty`) was therefore placed to the Velthuis Devanāgarī package and is only loaded here.

```
\else
  \expandafter\ifx\csname RequirePackage\endcsname\relax
    \input hindicaptions.sty
  \else
    \AtEndOfPackage{\RequirePackage{hindicaptions}[2007/05/11]}
  \fi
\fi
```

The macro `\ldf@finish` takes care of looking for a configuration file, setting the main language to be switched on at `\begin{document}` and resetting the category code of `@` to its original value.

```
\ldf@finish{\CurrentOption}
```

⟨/code⟩