

**NAME**

Date::Manip::Lang::dutch – Dutch language support.

**SYNOPSIS**

This module contains a list of words and expressions supporting the language. It is not intended to be used directly (other Date::Manip modules will load it as needed).

**LANGUAGE EXPRESSIONS**

The following is a list of all language words and expressions used to write times and/or dates.

All strings are case insensitive.

**Month names and abbreviations**

When writing out the name of the month, several different variations may exist including full names and abbreviations.

The following month names may be used:

januari

februari

maart

april

mei

juni

juli

augustus

september

oktober

november

december

The following abbreviations may be used:

jan

feb

maa

mrt

apr

mei

jun

jul

aug

sep

oct

okt

nov

dec

### **Day names and abbreviations**

When writing out the name of the day, several different variations may exist including full names and abbreviations.

The following day names may be used:

maandag

dinsdag

woensdag

donderdag

vrijdag

zaterdag

zondag

The following abbreviations may be used:

ma

di

wo

do

vr

zat

za

zon

zo

The following short (1–2 characters) abbreviations may be used:

M

D

W

D

V

Za

Zo

### **Delta field names**

These are the names (and abbreviations) for the fields in a delta. There are 7 fields: years, months, weeks, days, hours, minutes, seconds.

The names and abbreviations for these fields are:

jaren  
jaar  
ja  
j

maanden  
maand  
mnd

weken  
week  
w

dagen  
dag  
d

uren  
uur  
u  
h

minuten  
m  
minuut  
min

seconden  
seconde  
sec  
s

### **Morning/afternoon times**

This is a list of expressions use to designate morning or afternoon time when a time is entered as a 12-hour time rather than a 24-hour time. For example, in English, the time “17:00” could be specified as “5:00 PM”.

Morning and afternoon time may be designated by the following sets of words:

am  
a.m.  
vm  
v.m.  
voormiddag  
's ochtends  
ochtend  
's nachts  
nacht

pm  
p.m.  
nm  
n.m.  
namiddag  
's middags  
middag  
's avonds  
avond

**Each or every**

There are a list of words that specify every occurrence of something. These are used in the following phrases:

EACH Monday  
EVERY Monday  
EVERY month

The following words may be used:

elke  
elk

**Next/Previous/Last occurrence**

There are a list of words that may be used to specify the next, previous, or last occurrence of something. These words could be used in the following phrases:

NEXT week

LAST Tuesday  
PREVIOUS Tuesday

LAST day of the month

The following words may be used:

Next occurrence:

volgende  
volgend

Previous occurrence:

voorgaande  
voorgaand  
vorige

Last occurrence:

laatste  
afgelopen

**Delta words for going forward/backward in time**

When parsing deltas, there are words that may be used to specify the the delta will refer to a time in the future or to a time in the past (relative to some date). In English, for example, you might say:

IN 5 days  
5 days AGO

The following words may be used to specify deltas that refer to dates in the past or future respectively:

geleden  
vroeger  
eerder

over  
later

**Business mode**

This contains two lists of words which can be used to specify a standard (i.e. non-business) delta or a business delta.

Previously, it was used to tell whether the delta was approximate or exact, but now this list is not used except to force the delta to be standard.

The following words may be used:

exact  
precies  
nauwkeurig  
ongeveer  
ong  
ong.  
circa  
ca  
ca.

The following words may be used to specify a business delta:

werk  
werkdagen  
zakelijke  
zakelijk

**Numbers**

Numbers may be spelled out in a variety of ways. The following sets correspond to the numbers from 1 to 53:

1ste  
eerste  
een

2de  
tweede  
twee

3de  
derde  
drie

4de  
vierde  
vier

5de  
vijfde  
vijf

6de  
zesde  
zes

7de  
zevende  
zeven

8ste  
achtste  
acht

9de  
negende  
negen

10de  
tiende  
tien

11de  
elfde  
elf

12de  
twaalfde  
twaalf

13de  
dertiede  
dertien

14de  
veertiende  
veertien

15de  
vijftiede  
vijftien

16de  
zestiende  
zestien

17de

zeventiende  
zeventien

18de  
achttiende  
achttien

19de  
negentiende  
negentien

20ste  
twintigstetiende  
twintigtien  
twintig

21ste  
eenentwintigstetiende  
een-en-twintigste  
eenentwintigtien  
een-en-twintig  
Eenentwintig

22ste  
tweeentwintigstetiende  
twee-en-twintigste  
tweeentwintigtien  
twee-en-twintig  
tweeentwintig  
tweeentwintigste  
tweeëntwintig  
tweeëntwintigste

23ste  
drieentwintigstetiende  
drie-en-twintigste  
drieentwintigtien  
drie-en-twintig  
drieentwintig  
drieentwintigste  
drieëntwintig  
drieëntwintigste

24ste  
vierentwintigstetiende  
vier-en-twintigste  
vierentwintigtien  
vier-en-twintig  
vierentwintig  
vierentwintigste

25ste  
vijfentwintigstetiende

vijf-en-twintigste  
vijfentwintigtien  
vijf-en-twintig  
vijfentwintig  
vijfentwintigste

26ste  
zesentwintigstetiende  
zes-en-twintigste  
zesentwintigtien  
zes-en-twintig  
zesentwintig  
zesentwintigste

27ste  
zevenentwintigstetiende  
zeven-en-twintigste  
zevenentwintigtien  
zeven-en-twintig  
zevenentwintig  
zevenentwintigste

28ste  
achtentwintigstetiende  
acht-en-twintigste  
achtentwintigtien  
acht-en-twintig  
achtentwintig  
achtentwintigste

29ste  
negenentwintigstetiende  
negen-en-twintigste  
negenentwintigtien  
negen-en-twintig  
negenentwintig  
negenentwintigste

30ste  
dertigsteentwintigstetiende  
dertigste-en-twintigste  
dertigentwintigtien  
dertig-en-twintig  
dertig  
dertigste

31ste  
eenendertigsteentwintigstetiende  
een-en-dertigste-en-twintigste  
eenendertigentwintigtien  
een-en-dertig-en-twintig  
eenendertig  
eenendertigste



32ste  
tweeendertig  
tweeendertigste  
tweeëndertig  
tweeëndertigste

33ste  
drieendertig  
drieendertigste  
drieëndertig  
drieëndertigste

34ste  
vierendertig  
vierendertigste

35ste  
vijfendertig  
vijfendertigste

36ste  
zesendertig  
zesendertigste

37ste  
zevenendertig  
zevenendertigste

38ste  
achtendertig  
achtendertigste

39ste  
negenendertig  
negenendertigste

40ste  
veertig  
veertigste

41ste  
eenenveertig  
eenenveertigste

42ste  
tweeënveertig  
tweeënveertigste  
tweeenveertig  
tweeenveertigste

43ste  
drieënveertig

drieënveertigste  
drieenveertig  
drieenveertigste

44ste  
vierenveertig  
vierenveertigste

45ste  
vijfenveertig  
vijfenveertigste

46ste  
zesenveertig  
zesenveertigste

47ste  
zevenenveertig  
zevenenveertigste

48ste  
achtenveertig  
achtenveertigste

49ste  
negenenveertig  
negenenveertigste

50ste  
vijftig  
vijftigste

51ste  
eenenvijftig  
eenenvijftigste

52ste  
tweeënvijftig  
tweeënvijftigste  
tweeenvijftig  
tweeenvijftigste

53ste  
drieënvijftig  
drieënvijftigste  
drieenvijftig  
drieenvijftigste

### Ignored words

In writing out dates in common forms, there are a number of words that are typically not important.

There is frequently a word that appears in a phrase to designate that a time is going to be specified next. In English, you would use the word AT in the example:

December 3 at 12:00

The following words may be used:

om

Another word is used to designate one member of a set. In English, you would use the words IN or OF:

1st day OF December

1st day IN December

The following words may be used:

in

van

Another word is use to specify that something is on a certain date. In English, you would use ON:

ON July 5th

The following words may be used:

op

### Words that set the date, time, or both

There are some words that can be used to specify a date, a time, or both relative to now.

Words that set the date are similar to the English words 'yesterday' or 'tomorrow'. These are specified as a delta which is added to the current time to get a date. The time is NOT set however, so the delta is only partially used (it should only include year, month, week, and day fields).

The following words may be used:

eergisteren	-0:0:0:2:0:0:0
gisteren	-0:0:0:1:0:0:0
morgen	+0:0:0:1:0:0:0
overmorgen	+0:0:0:2:0:0:0
vandaag	0:0:0:0:0:0:0

Words that set only the time of day are similar to the English words 'noon' or 'midnight'.

The following words may be used:

midnachts	00:00:00
noen	12:00:00

Words that set the entire time and date (relative to the current time and date) are also available.

In English, the word 'now' is one of these.

The following words may be used:

nou	0:0:0:0:0:0:0
nu	0:0:0:0:0:0:0

### Hour/Minute/Second separators

When specifying the time of day, the most common separator is a colon (:) which can be used for both separators.

Some languages use different pairs. For example, French allows you to specify the time as 13h30:20, so it would use the following pairs:

:	:
h	:

The first column is the hour-minute separator and the second column is the minute-second separator.

Both are perl regular expressions. When creating a new translation, be aware that regular expressions with utf-8 characters may be tricky. For example, don't include the expression '[x]' where 'x' is a utf-8 character.

A pair of colons is ALWAYS allowed for all languages. If a language allows additional pairs, they are listed here:

```
[.]  [.]  
[uh] [m]
```

#### **Fractional second separator**

When specifying fractional seconds, the most common way is to use a decimal point (.). Some languages may specify a different separator that might be used. If this is done, it is a regular expression.

The decimal point is ALWAYS allowed for all languages. If a language allows another separator, it is listed here:

```
Not defined in this language
```

#### **KNOWN BUGS**

None known.

#### **BUGS AND QUESTIONS**

Please refer to the Date::Manip::Problems documentation for information on submitting bug reports or questions to the author.

#### **SEE ALSO**

Date::Manip – main module documentation

#### **LICENSE**

This script is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

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