

date night

noun [C]

- ★ an occasion when a married, or who have been in a relationship for a long time, go out in the evening to enjoy themselves:

Keep your relationship strong with regular date nights!

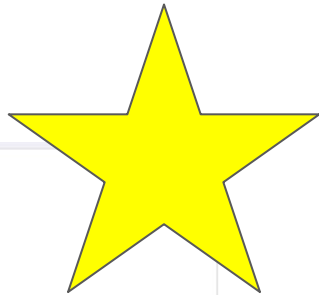
dateknight

noun [C]



A universal date time string formatting reference:

Save time and frustration formatting datetimes with dateknight!





So what's your idea
of a perfect date?

YYYY-MM-DD
I find other
formats a bit
confusing

The perfect date

Motivation

Every language or library has...

- different formatting codes

- different documentation

Solve that problem. For ~~all~~ **some** languages.

Step 1: make a unified reference

Crawl Other References

```
{
  "id": "momentjs",
  "url": "https://momentjs.com/docs/",
  "rows": "h3 a[href=\"#/displaying/format/\"]:closest(article) table:first tr",
  "fields": {
    "cat": "td:eq(0)",
    "code": "td:eq(1)",
    "example": "td:eq(2)"
  },
  "skip_if_blank": ["code"],
  "repeat_if_blank": ["cat"]
},
```

Simple config to crawl all references using jQuery-like syntax: [CRAWL.json](#)

Extend the NodeJS Cheerio library to make <https://github.com/mrcoles/pseudo-cheerio>

Schlep work to unify each



PHASE 1

Crawl date format
reference pages

PHASE 2



PHASE 3

Have a clean
dataset that links
all common
formats with
universal ids

Date Knight

A universal date time string formatting reference

Choose language/library: [Django](#) | [Go](#) | [MomentJS](#) | [Python](#) | [Swift](#)

[Converter](#)

MomentJS [docs](#)

```
moment().format(); // "2014-09-08T08:02:17-05:00" (ISO 8601)
moment().format("dddd, MMM Do YYYY, h:mm:ss a"); // "Sunday, February 14th 2010, 3:25:50 pm"
moment().format("ddd, hA"); // "Sun, 3PM"
moment('gibberish').format('YYYY MM DD'); // "Invalid date"
```

	Token	Output
year	YYYY	1970 1971 ... 2029 2030
	Y	1970 1971 ... 9999 +10000 +10001 Note: This complies with the ISO 8601 standard for dates past the year 9999
	YY	70 71 ... 29 30
quarter	Q	1 2 3 4
	Qo	1st 2nd 3rd 4th
month	M	1 2 ... 11 12
	MM	01 02 ... 11 12

Aside: React + binding methods

Generally one wants to bind `this` to event handler methods in es6 classes.

I wrote a [Component base class](#) that does this for any methods that start with “handle”.

Turns out you can now just use arrow functions on the class instead!

```
handleClick = event => {  
  event.preventDefault();  
  this.doSomething();  
};
```

Aside: Best Documentation



MomentJS: <https://momentjs.com/docs/#/displaying/format/>

I liked their documentation the most and my structure and formatting was inspired by theirs.

Aside: Coolest Formatting

Go: <https://golang.org/pkg/time/#Time.Format>



Uses a known date:

Jan 2 15:04:05 2006 MST

If you look closely, each conceptual type is associated with a number:

1 = month, 2 = day, 3 = hr, 4 = min, 5 = sec, 6 = year, 7 = timezone

Step 2: avoid having to learn new languages

Let's go deeper!

DateTime Converter

Automatically convert a datetime format from language/library to another.

MomentJS ↕	YYYY-MM-DD HH:mm:ss
Django	Y-m-d H:i:s
Go	2006-01-02 15:04:05
Python	%Y-%m-%d %H:%M:%S
Swift	yyyy-MM-dd HH:mm:ss

DateTime converter instantly shows one format in all other formats as you type.

Let's go deeper!

DateTime Converter

Automatically convert a datetime format from language/library to another.

MomentJS ▾	YYYY-MM-DD HH:mm:ss month
Django	cat: month code: M ex: 1 2 ... 11 12
Go	cat: month code: MM ex: 01 02 ... 11 12
Python	cat: month code: Mo
Swift	ex: 1st 2nd ... 11th 12th

Autocomplete let's you find and replace what you're typing to rapidly type a format string.

Let's go deeper!

MomentJS Examples

The current date and time is formatted for the following examples below. Tap on one to populate the converter.

YYYY-MM-DD HH:mm:ss

→ *2018-01-25 15:16:12*

dddd, MMM D, YYYY

→ Thursday, Jan 25, 2018

MM/DD/YY

→ 01/25/18

MM-DD-YY HH:mm

→ 01-25-18 15:16

MMM D, h:mm A

→ Jan 25, 3:16 PM

MMMM YY

→ January 18

MMM D, YY

→ Jan 25, 18

Example view converts the format you're viewing into universal ids, then into MomentJS to render them live.

Let's go deeper!

Oops, try again. `DateKnight.go_deeper()` resulted in an error: maximum recursion depth exceeded.

Potential improvements:

- convert any date string into formats (regex, nlp, ...)
- add more languages – add a new lang, [submit a pull request](#)
- code generators to show shim missing formats from various languages

knight

verb [ˌ]

- ★ in Britain, to give a person a rank of honor because of that person's special achievements:

He was knighted by Queen Elizabeth II for building a marvelous web tool:

<https://mrcoles.com/dateknight/>

