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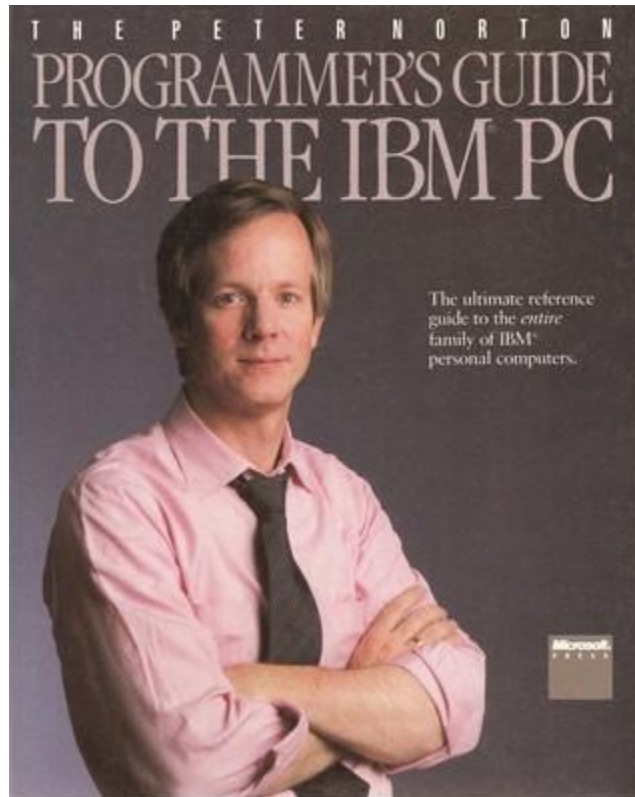


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Using NLP to identify meaningful sentences in informal documentation

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Software Documentation

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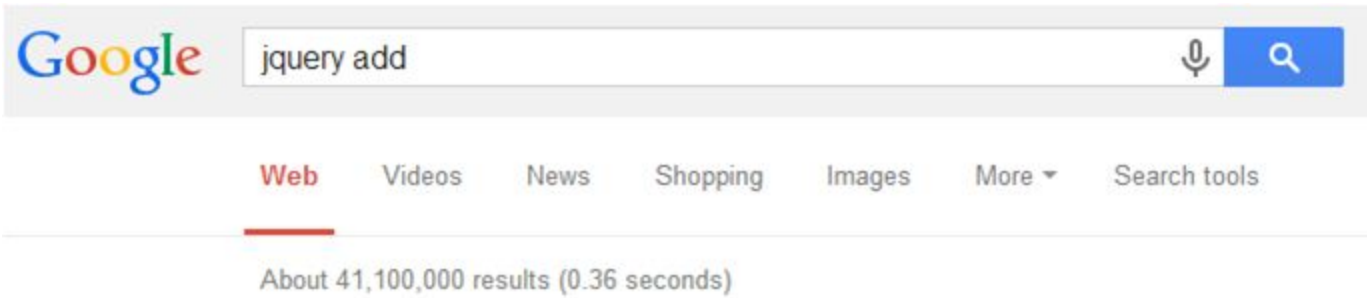
.add()

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.add(selector)

Description: Add elements to the set of matched elements

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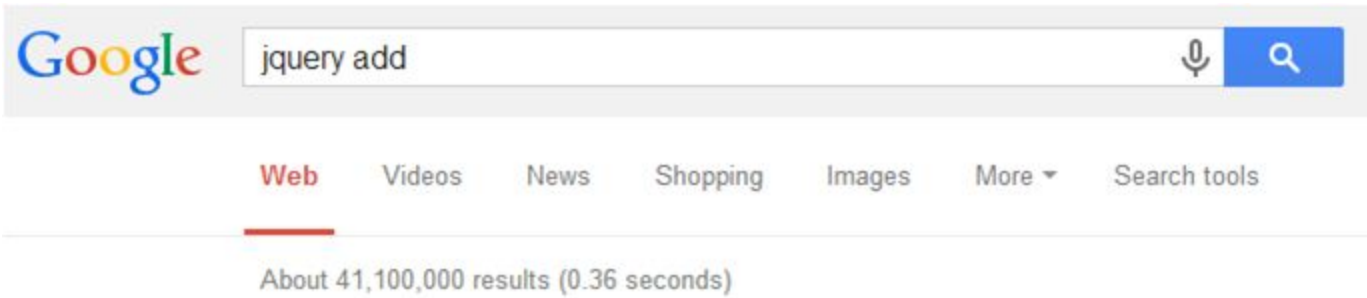
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5 jQuery UI Autocomplete Examples

The jQuery UI Autocomplete widget enables users to quickly find and select from a list of values as they type. If you find the jQuery UI Autocomplete [demos](#) and [documentation](#) too daunting, here are some examples with explanation to get you started.

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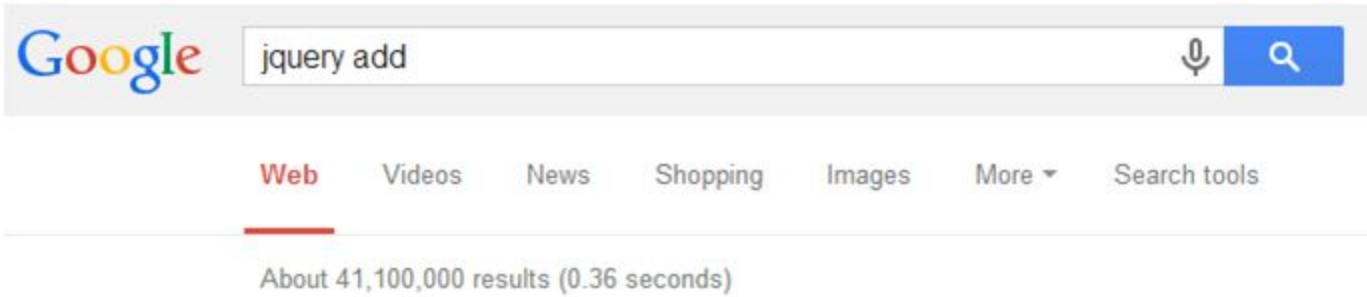
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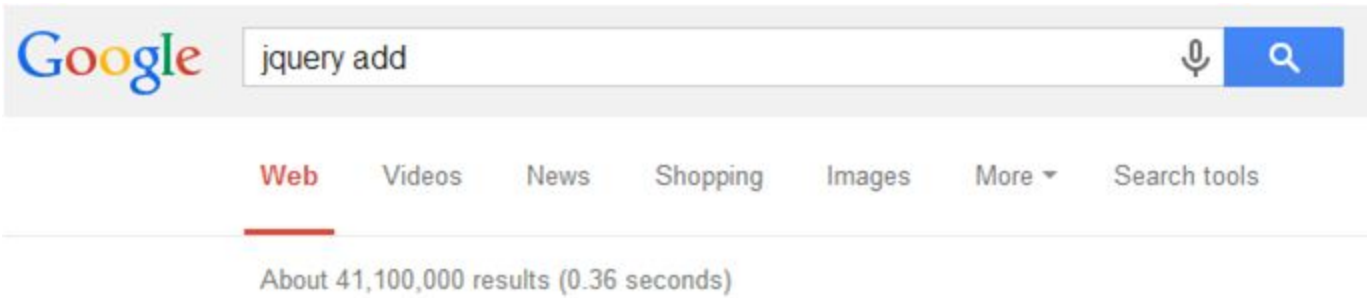
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Creating a div element in jQuery

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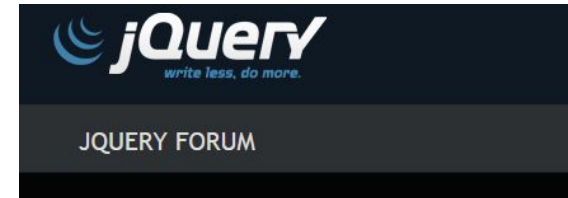
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← Using jQuery



Ryan Hawd..

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Hi,

Is it possible to move an ID or Class using jQuery. I am the right. This ID is for Facebook as I am try to change t

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Augmenting Documentation with Insights from Stack Overflow

Map (Java Platform SE 7) x Christoph

docs.oracle.com/javase/7/docs/api/java/util/Map.html

Class Use Tree Deprecated Index Help

Frames No Frames All Classes

tr | Method Detail: Field | Constr | Method

Java™ Platform Standard Ed. 7

map.entrySet() gives you a collection of Map.Entry objects containing both key and value.

▼ Collections.synchronizedMap(Map) synchronizes the entire map.

In ConcurrentHashMap, the lock is applied to a segment instead of an entire Map. Each segment manages its own internal hash table. The lock is applied only for update operations. Collections.synchronizedMap(Map) synchronizes the entire map. <http://stackoverflow.com/questions/510632#13111472>

► HashMap is a map based on hashing of the keys.

► LinkedHashMap is very similar to HashMap, but it adds awareness to the order at which items are added (or accessed), so the iteration order is the same as insertion order (or access order, depending on construction parameters).

public interface **Map**<K,V>

An object that maps keys to values. A map cannot contain duplicate keys; each key can map to at most one value.

This interface takes the place of the Dictionary class, which was a totally abstract class rather than an interface.

Map (Java Platform SE 7) x

docs.oracle.com/javase/7/docs/api/java/util/Map.html

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Augmenting Documentation with Insights from Stack Overflow

TaskNav v1.4

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A new `GregorianCalendar` has the date and time set to "now", near

Accessing Year, Month, Day etc.

The `Calendar` class has a couple of methods you can use to access the fields, showing how that is done:

```
Calendar calendar = new GregorianCalendar();

int year      = calendar.get(Calendar.YEAR);
int month     = calendar.get(Calendar.MONTH);
int dayOfMonth = calendar.get(Calendar.DAY_OF_MONTH); // Jan = 0
int dayOfWeek  = calendar.get(Calendar.DAY_OF_WEEK);
int weekOfYear = calendar.get(Calendar.WEEK_OF_YEAR);
int weekOfMonth = calendar.get(Calendar.WEEK_OF_MONTH);

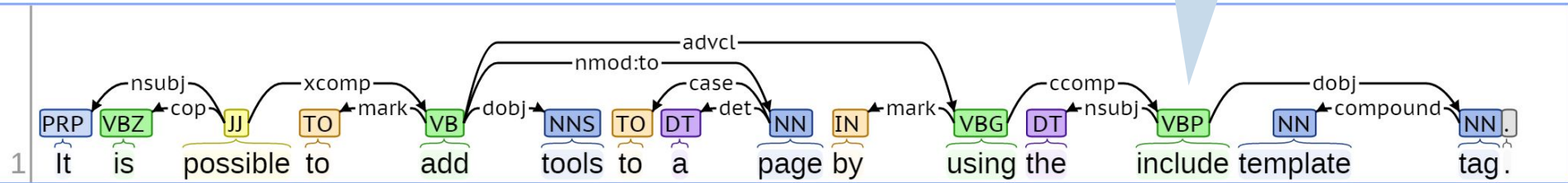
int hour      = calendar.get(Calendar.HOUR); // 12 hour
int hourOfDay = calendar.get(Calendar.HOUR_OF_DAY); // 24 hour clock
int minute    = calendar.get(Calendar.MINUTE);
int second    = calendar.get(Calendar.SECOND);
int millisecond = calendar.get(Calendar.MILLISECOND);
```

There are a few more fields that you can access, like `DAY_OF_WEEK_IN_MONTH` and `AM_PM` which are not used so often. Check out the official JavaDoc to learn more about those fields.

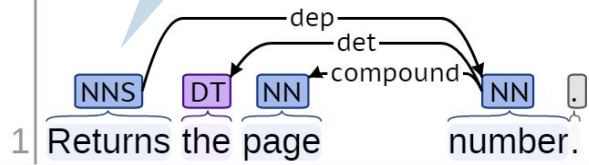
The `calendar` class has a corresponding `set()` method so you can set these fields too. Here is how that looks:

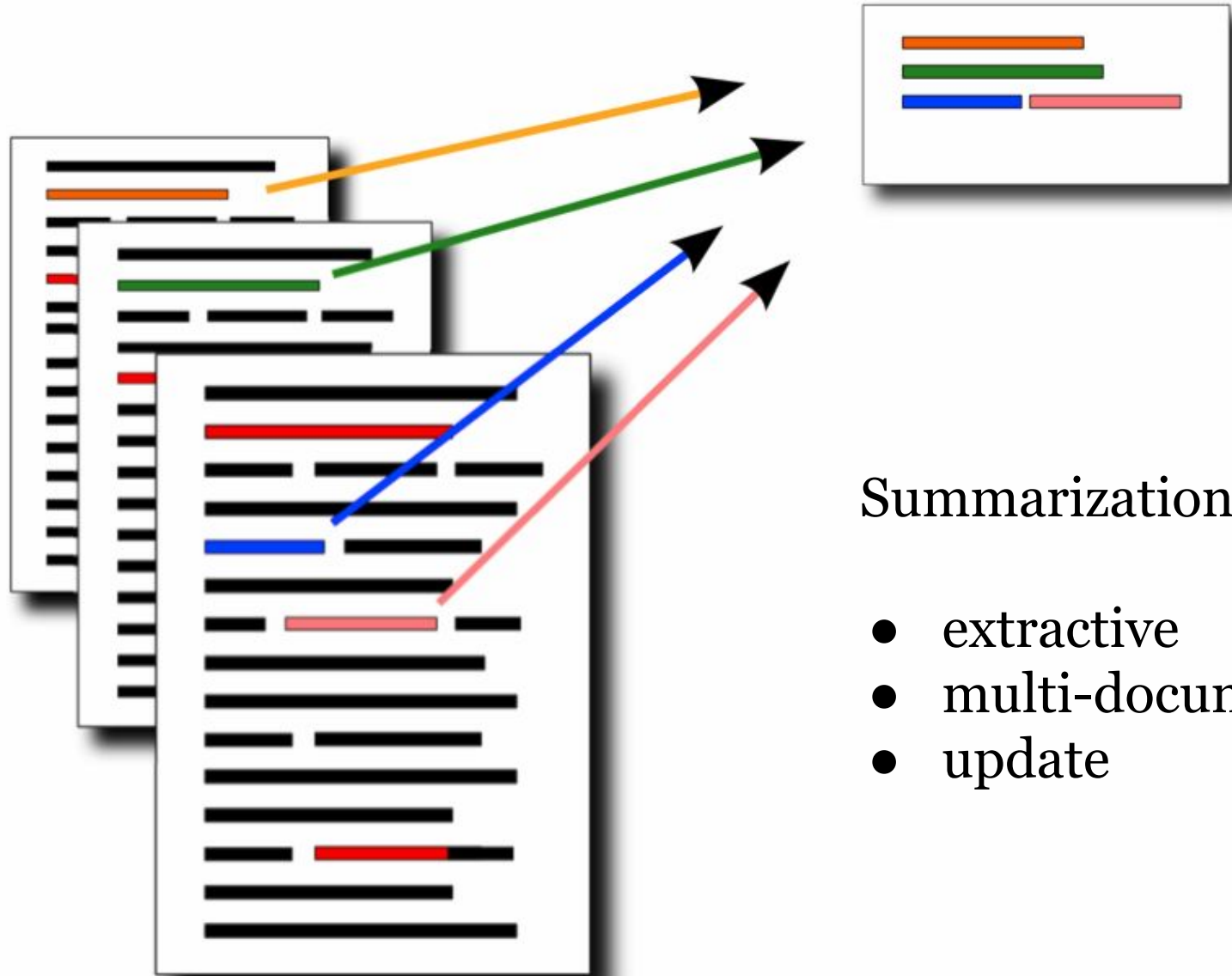
Task-Based Navigation of API Documentation

code
element



verb





Summarization

- extractive
- multi-document
- update

503

Given:

```
Element[] array = new Element[] { new Element(1), new Element(2), new Element(3) };
```

The simplest answer is to do:

```
List<Element> list = Arrays.asList(array);
```

This will work fine. But some caveats:

1. The list returned from `asList` has **fixed size**. So, if you want to be able to add or remove elements from the returned list in your code, you'll need to wrap it in a new `ArrayList`. Otherwise you'll get an `UnsupportedOperationException`.
2. The list returned from `asList()` is backed by the original array. If you modify the original array, the list will be modified as well. This may be surprising.

share edit

edited Nov 7 '14 at 14:22



George
Garchagudashvili
2,773 ● 7 ● 17 ● 34

answered Oct 1 '08 at 15:39



Alex Miller
37.6k ● 16 ● 80 ● 126

- 2 What is the time complexity of both operations? I mean with and without using explicit arraylist construction. – [damned](#) May 23 '12 at 2:17
- 12 `Arrays.asList()` merely creates an `ArrayList` by wrapping the existing array so it is $O(1)$. – [Alex Miller](#) May 23 '12 at 13:15
- 7 Wrapping in a new `ArrayList()` will cause all elements of the fixed size list to be iterated and added to the new `ArrayList` so is $O(n)$. – [Alex Miller](#) May 23 '12 at 13:21
- 5 the implementation of List returned by `asList()` does not implement several of List's methods (like `add()`, `remove()`, `clear()`, etc...) which explains the `UnsupportedOperationException`. definitely a caveat... – [sethro](#) Nov 14 '12 at 19:33

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not meaningful

not meaningful

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503

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source	feature	type
sentence	sentence part-of-speech tags	string string
sentence	the number of tokens in the sentence whether the sentence is a codeblock (i.e., surrounded by <code>pre</code> tags) the position of the sentence in the answer the position of the API element in the sentence (or 0) whether the sentence starts lower case the number of characters that are code (as indicated by <code>pre</code> or <code>code</code> tags) whether sentence contains HTML tag (code, pre, a, strong, em, i, b, h1, h2, h3, sup, strike) the percentage of tokens tagged (code, pre, a, strong, em, i, b, h1, h2, h3, sup, strike)	numeric boolean numeric numeric boolean boolean numeric
question	whether the question title or body contain the API element question attributes: score, favorites, views, answer count, size, age question attributes: whether it was edited, whether it contains a code block question user attributes: reputation, acceptrate whether the question user is registered	boolean numeric boolean numeric boolean
answer	answer attributes: score, time difference to question, size, age answer attributes: whether it was accepted or edited, whether it contains a code block answer user attributes: reputation, acceptrate whether the answer user is registered relative rank of the answer among all answers to that question by score and age	numeric boolean numeric boolean numeric
similarity	cosine similarity between sentence and most similar sentence in API documentation average cosine similarity between sentence and all sentences in API documentation	numeric numeric

List is slower than Arrays

source	feature	type
sentence	sentence	string
	part-of-speech tags	string
sentence	the number of tokens in the sentence	numeric
	whether the sentence is a codeblock (i.e., surrounded by <code>pre</code> tags)	boolean
	the position of the sentence in the answer	numeric
	the position of the API element in the sentence (or 0)	numeric
	whether the sentence starts lower case	boolean
	the number of characters that are code (as indicated by <code>pre</code> or <code>code</code> tags)	numeric
	whether sentence contains HTML tag (code, pre, a, strong, em, i, b, h1, h2, h3, sup, strike)	boolean
	the number of characters that are code (as indicated by <code>pre</code> or <code>code</code> tags)	numeric
question	whether the question contains an API element	boolean
	question attributes: score, size, age	numeric
	whether the question contains a code block	boolean
	question attributes: score, size, age	numeric
	whether the question contains a code block	boolean
answer	answer attributes: score, time difference to question, size, age	numeric
	answer attributes: whether it was accepted or edited, whether it contains a code block	boolean
	answer user attributes: reputation, acceptance	numeric
	whether the answer user is registered	boolean
	relative rank of the answer among all answers to that question by score and age	numeric
similarity	cosine similarity between sentence and most similar sentence in API documentation	numeric
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	whether the sentence starts lower case	boolean
	the number of characters that are code characters	numeric
	whether sentence contains HTML tag (code, pre, a, strong, em, i, b, h1, h2, h3, sup, strike)	boolean
	whether sentence contains HTML tag (<code>, be, ...)	boolean
question	whether the question is a codeblock	boolean
	the position of the question in the document	numeric
	the position of the API element	numeric
	whether the question contains a code block	boolean
	whether the question contains a code block	boolean
	whether the question contains a code block	boolean
answer	answer attributes: score, time difference to question, size, age	numeric
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API
context

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metadata

#	feature
1	cosine similarity between sentence and most similar sentence in API documentation
2	average cosine similarity between sentence and all sentences in API documentation
3	question user acceptance rate
4	answer score
5	answer age
6	answer time difference to question
7	question score
8	question favorites
9	question user reputation
10	question views
11	number of nouns followed by verb in present tense, third person singular in sentence
12	question age
13	sentence starts with noun followed by verb in present tense, third person singular
14	number of tokens in sentence
15	position of API element in sentence (or 0)
16	number of occurrences of API element in sentence
17	answer score
18	answer size
19	number of nouns in sentence
20	sentence starts with noun
21	number of characters that are code
22	number of occurrences of the verb “be” in sentence

API
context

Stack
Overflow
metadata

NN VBZ

to be

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2	average cosine similarity between sentence and all sentences in API documentation
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4	answer score
5	answer age
6	answer time difference to question
7	question score
8	question favorites
9	question user reputation
10	question views
11	number of nouns followed by verb in present tense, third person singular in sentence
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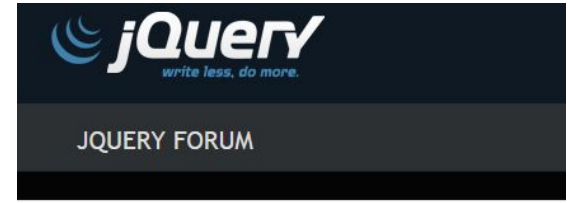
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Creating a div element in jQuery



← Using jQuery



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Ryan Hawd..

Is it possible to move an ID or Class using jQuery. I am not sure if it is the right. This ID is for Facebook as I am trying to change it.

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- jQuery Events

jQuery Effects

- jQuery Hide/Show
- jQuery Fade
- jQuery Slide

jQuery add() Method

jQuery Traversing Methods

Example

Add <p> and elements to an existing group of elements (<div>):

```
$( "h1" ).add( "p" ).add( "span" );
```

[Try it yourself >](#)

Be useful!



1. What is the ideal format/structure of documentation from the perspective of a documentation user?
2. What knowledge is impossible to communicate through source code examples but only through natural language text?

