

How to use regular expressions to insert space into a camel case string



I am using the following regular expression to insert spaces into a camel-case string

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```
var regex = /([A-Z])([A-Z])([a-z])|([a-z])([A-Z])/g;
```



Example usage



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```
var str = "CSVFilesAreCoolButTXTRules";  
str = str.replace(regex, '$1$4 $2$3$5');  
// "CSV Files Are Cool But TXT Rules"
```

This works fine, but I also want to put spaces before and after any numbers in the string, though I don't want space inserted between individual digits, and if a number is preceded by a \$ then the space should go before it, and not the number.

I also want to remove any characters apart from numbers, letters, the \$ sign and a dot . within a number.

For example,

```
MRRPLowPriceUSD$10.10HighPriceUSD$1998.59595CommentsNoChangeReportedNTPL1001KSE-100INDEX
```

should become

```
MRRP Low Price USD $10.10 High Price USD $1998.59595 Comments No Change Reported NTPL 1001 KSE 100 INDEX
```

Note that the - was removed.

Any assistance would be appreciated.

Related: [putting-space-in-camel-case-string-using-regular-expression](#).

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1 Answer

Try this regex and replace using positive look-ahead:

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```
var regex = /([A-Za-z0-9\.\$])|([A-Z])(?=[A-Z][a-z])|([^\-\$\.0-9])(?=\$?[0-9]+(?:\.[0-9]+)?)|([0-9])(?=[^\.0-9])|([a-z])(?=[A-Z])/g;
var str = "CSVFilesAreCool123B--utTXTFoo12T&XTRules$123.99BAz";
str = str.replace(regex, '$2$3$4$5 ');
// CSV Files Are Cool 123 B ut TXT Foo 12 T XT Rules $123.99 B Az
```

(RegExr)

edited Mar 13 '13 at 17:10

answered Mar 13 '13 at 16:53



speakr

3,592 14 24

hmm.. so close, but still a hyphen "-" not stripped off. How to address it? here is the running code jsfiddle.net/kreativemart/zEpjR – KMX Mar 13 '13 at 16:59

@KMX Should *any* hyphens be removed? And where do they occur? Only at the end/beginning of some substrings? – speakr Mar 13 '13 at 17:00

Examine the example to apply the RE here "1001KSE-100INDEX" so the hyphen has to be removed. – KMX Mar 13 '13 at 17:04

Bravo, you did it! – KMX Mar 13 '13 at 17:08

2 @KMX If you have another (even related) problem/task please create a separate question for that. – speakr Mar 17 '13 at 17:36

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