
Subject: checking a special character in a single string
Posted by [Sapna Mishra](#) on Thu, 05 May 2016 14:28:54 GMT
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Hello all,

I have a string say:
`obj='J165248.4+363212.5'`

I want to know the place where my this + sign has come say here at 10th place .

I did:
`n=where(strmatch(obj,'+',/FOLD_CASE) EQ 1)`

but it is simply giving me `n=1`.

can any one tell how to proceed ?

Also if i want to remove all the numbers after '.' (decimal) how to do?
with `strjoin+strsplit` it is simply removing decimal sign and clubbing all numbers together. I don't want numbers after decimal how to do???

Subject: Re: checking a special character in a single string
Posted by [Burch](#) on Thu, 05 May 2016 16:08:20 GMT
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On Thursday, May 5, 2016 at 9:28:57 AM UTC-5, Sapna Mishra wrote:

> Hello all,
>
> I have a string say:
> `obj='J165248.4+363212.5'`
>
> I want to know the place where my this + sign has come say here at 10th place .
>
> I did:
> `n=where(strmatch(obj,'+',/FOLD_CASE) EQ 1)`
>
> but it is simply giving me `n=1`.
>
> can any one tell how to proceed ?
>
> Also if i want to remove all the numbers after '.' (decimal) how to do?
> with `strjoin+strsplit` it is simply removing decimal sign and clubbing all numbers together. I don't want numbers after decimal how to do???

`STRMATCH()` doesn't give the location of the search string within the input. It simply returns 1 or 0 based upon whether or not the search string is in the input. Also, when I run your code I get `n =`

-1. To get n=1 the search string for STRMATCH() needs to be '*+'.

Regardless, if you're looking for the location within the input, then the function you want is STREGEX().

```
IDL> obj='J165248.4+363212.5'
```

```
IDL> print, stregex(obj, '+')
```

9

Documentation:

STREGEX(): <http://www.harrisgeospatial.com/docs/stregex.html>

Regular Expressions: http://www.harrisgeospatial.com/docs/learning_about_regular_e.html#strings_3486979161_298753

STRMATCH(): http://www.harrisgeospatial.com/docs/strmatch.html#S_8200403_01_679108

-Jeff

Subject: Re: checking a special character in a single string

Posted by [Burch](#) on Thu, 05 May 2016 16:15:12 GMT

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On Thursday, May 5, 2016 at 11:08:25 AM UTC-5, Jeff B wrote:

> On Thursday, May 5, 2016 at 9:28:57 AM UTC-5, Sapna Mishra wrote:

>> Hello all,

>>

>> I have a string say:

>> obj='J165248.4+363212.5'

>>

>> I want to know the place where my this + sign has come say here at 10th place .

>>

>> I did:

>> n=where(strmatch(obj,'+',/FOLD_CASE) EQ 1)

>>

>> but it is simply giving me n=1.

>>

>> can any one tell how to proceed ?

>>

>> Also if i want to remove all the numbers after '.' (decimal) how to do?

>> with strjoin+strsplit it is simply removing decimal sign and clubbing all numbers together. I don't want numbers after decimal how to do???

>

> STRMATCH() doesn't give the location of the search string within the input. It simply returns 1 or 0 based upon whether or not the search string is in the input. Also, when I run your code I get n = -1. To get n=1 the search string for STRMATCH() needs to be '*+'.

>

> Regardless, if you're looking for the location within the input, then the function you want is STREGEX().

```
>
> IDL> obj='J165248.4+363212.5'
> IDL> print, stregex(obj, '\+')
>      9
>
> Documentation:
> STREGEX(): http://www.harrisgeospatial.com/docs/stregex.html
> Regular Expressions: http://www.harrisgeospatial.com/docs/learning\_about\_regular\_e.html#strings\_3486979161\_298753
> STRMATCH(): http://www.harrisgeospatial.com/docs/strmatch.html#S\_8200403\_01\_679108
>
> -Jeff
```

Forgot to add:
You can use STRMID() to extract a substring.

```
IDL> print, strmid(obj, 0, 7)
J165248
```

https://www.harrisgeospatial.com/docs/strmid.html#S_82004030_1_1074010

-Jeff

Subject: Re: checking a special character in a single string
Posted by [Sapna Mishra](#) on Thu, 05 May 2016 16:30:12 GMT
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```
> Forgot to add:
> You can use STRMID() to extract a substring.
>
> IDL> print, strmid(obj, 0, 7)
> J165248
>
> https://www.harrisgeospatial.com/docs/strmid.html#S\_82004030\_1\_1074010
>
> -Jeff
```

Yeah this step can only be done if you know where the decimal point is like in my case i have two decimal points.... so i want string to break in two and remove decimal point from both.
Thanks for the help Jeff.....stregex works..

Subject: Re: checking a special character in a single string
Posted by [Heinz Stege](#) on Thu, 05 May 2016 16:37:08 GMT
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On Thu, 5 May 2016 07:28:54 -0700 (PDT), Sapna Mishra wrote:

```
> Hello all,  
>  
> I have a string say:  
> obj='J165248.4+363212.5'  
>  
> I want to know the place where my this + sign has come say here at 10th place .  
>  
> I did:  
> n=where(strmatch(obj,'+',/FOLD_CASE) EQ 1)  
>  
> but it is simply giving me n=1.  
>  
> can any one tell how to proceed ?  
>  
IDL> obj='J165248.4+363212.5'  
IDL> print,strpos(obj,'+')  
      9
```

> Also if i want to remove all the numbers after '.' (decimal) how to do?
> with strjoin+strsplit it is simply removing decimal sign and clubbing all numbers together. I don't want numbers after decimal how to do???

```
IDL> print,strmid(obj,0,strpos(obj,'.'))  
J165248
```

Cheers, Heinz
