Subject: quick strsplit question Posted by rlayberry on Thu, 06 Mar 2008 09:47:34 GMT

View Forum Message <> Reply to Message

Hi

I am, trying to split an number of terms such as str9=dg_eyemouth.out

to take off the file extension

print,strsplit(str9,'.out',/extract,/regex)

but this gives

dg_eye h

any ideas

thanks

russ

Subject: Re: quick strsplit question Posted by Spon on Thu, 06 Mar 2008 10:07:42 GMT

View Forum Message <> Reply to Message

```
On Mar 6, 9:47 am, rlaybe...@hotmail.com wrote:

> Hi

> I am, trying to split an number of terms such as str9=dg_eyemouth.out
> to take off the file extension
> print,strsplit(str9,'.out',/extract,/regex)
> but this gives
> dg_eye h
> any ideas
> thanks
> russ
```

You want:

print,strsplit(str9,'\.out',/extract,/regex)

The '.' is a special character in regular expressions in IDL and needs an escape character before it if you mean an actualy '.' in a string. See the helpfile entitled 'Learning About Regular Expressions'.

Regards, Chris

Subject: Re: quick strsplit question Posted by Nigel Wade on Thu, 06 Mar 2008 10:25:50 GMT

View Forum Message <> Reply to Message

```
rlayberry@hotmail.com wrote:
```

```
> Hi
>
    I am, trying to split an number of terms such as str9=dg_eyemouth.out
>
    to take off the file extension
>
    print,strsplit(str9,'.out',/extract,/regex)
>
    but this gives
>
    dg_eye h
>
    any ideas
>
    thanks
>
    russ
```

You've specified /regex. The character "." is a special character in a regex which matches anything. So ".out" will match "mout".

You can remove the special nature of "." by preceding it with a backslash. You should probably also tie the match to the end of the string by appending a dollar:

print,strsplit(str9,'\.out\$',/extract,/regex).

A better approach might be to use the function file_basename:

print,file_basename(str9,[".out"])

Nigel Wade, System Administrator, Space Plasma Physics Group, University of Leicester, Leicester, LE1 7RH, UK E-mail: nmw@ion.le.ac.uk

Phone: +44 (0)116 2523548, Fax: +44 (0)116 2523555

Subject: Re: quick strsplit question Posted by rlayberry on Fri, 07 Mar 2008 13:56:13 GMT

View Forum Message <> Reply to Message

```
On 6 Mar, 10:25, Nigel Wade <n...@ion.le.ac.uk> wrote:
> rlaybe...@hotmail.com wrote:
>> Hi
>
>> I am, trying to split an number of terms such as str9=dg_eyemouth.out
>> to take off the file extension
>> print,strsplit(str9,'.out',/extract,/regex)
>
>> but this gives
>> dg_eye h
>> any ideas
>> thanks
>> russ
> You've specified /regex. The character "." is a special character in a regex
> which matches anything. So ".out" will match "mout".
>
> You can remove the special nature of "." by preceding it with a backslash. You
> should probably also tie the match to the end of the string by appending a
> dollar:
> print,strsplit(str9,'\.out$',/extract,/regex).
>
> A better approach might be to use the function file_basename:
> print,file_basename(str9,[".out"])
great, thanks both of the above
```