Subject: Re: extracting all but...
Posted by William Daffer on Sat, 19 Nov 2005 15:59:32 GMT
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kl_tah@hotmail.com writes:

> Hi All,
>
> I was wondering how I can extract all but a constant string from an
> array of strings?
> basically, I have an array of filenames with  a particular directory
> prefixed to each of the filenames like so:
>
> files =
>  ['/some/constant/directory/file1','/some/constant/directory/ file2',
> etc.]
>
> and would like to have just an array of the filenames without the
> prefixed directory name so that the result looks like:
>
> files = ['file1', 'file2', etc.]
>
>
> any ideas?

  You didn't tell which version of IDL you're using, so I'm going to
  assume it's a fairly recent version.

  If it's just a matter of removing the path, use File_Basename()
  which, like the unix utility `basename', returns the last component
  of a path, i.e. the file name itself.

   file_basename('/some/constant/directory/file1') == 'file1.'

  You don't have to loop over the filenames, just do the whole vector at once.

  the_part_you_want=file_basename(files)

  If the constant part of path isn't the entire path and you know its
  value, you can use STREGEX()

  parts = stregex(your_files,'/the/constant/part/(.*)$', $
            /extract,/subexp)

  the_parts_you_want=parts[1,*]

  You might want to 'reform()' that, to make the first dimension go
  away.

If the part isn't constant, you're on your own. ;-)

whd
--
PAINTING, n.  The art of protecting flat surfaces from the weather and
exposing them to the critic.
    Formerly, painting and sculpture were combined in the same work:
the ancients painted their statues.  The only present alliance between
the two arts is that the modern painter chisels his patrons.
 -- Ambrose Bierce: _The Devil's Dictionary_

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