

Re: How to filter a .csv file based on the integer value in one specific field (per record)

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- *From:* Ed Morton <morton@xxxxxxxxxxxxxxxx>
 - *Date:* Mon, 14 Jan 2008 15:43:46 -0600
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On 1/14/2008 3:25 PM, Brian Greaney wrote:

On Mon, 14 Jan 2008 14:59:17 -0600, Ed Morton wrote:

On 1/14/2008 2:40 PM, Brian Greaney wrote:

Hi, hope someone can help me (again!)
I have a large .csv file full of text & numbers.
I would like to 'filter' this file based on several 'keys', 2 text strings
(use grep I think) and the integer value of a specific field being greater than a certain value (e.g. 100000).
I can see a way of using grep to filter on the two strings, but can't see an elegant way of getting the numerical test on a specific field, bearing in mind numbers occur in other fields.
The text fields I filter on are of the form ABC12 the integer from 2 to 6 digits
Hope this is clear (and not too dumb/newbie/rtfm a question)
:)

There are many different ways a ".csv" file could be structured as there's no specific standard for one (though there are some attempts at such on the internet) so you need to post a small set of sample input and expected output.

Make sure you tell us which specific fields you're interested in. If the 2 text fields are field 3 and field 7, and the integer's in field 12, the solution MAY be (but probably isn't) as simple as:

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```
awk 'BEGIN{FS=OFS=","}$3 == "ABC12" && $7 == "ABC12" && ($12
>=2) && ($12 <=6)' file
```

Ed.

A quick follow up, with a few minor changes your suggestion works well for me:

```
awk 'BEGIN{FS=OFS=","}$56 == "CLH01" && $45 != "LAC" && ($3 >=100000)'
file
```

That'll find those specific text strings. See my other response to match any 3 upper case letters followed by 2 digits.

Many thanks, I'll have to get read up on awk
:)

Lurk around comp.lang.awk for a while and get the book Effective Awk Programming, Third Edition By Arnold Robbins,
<http://www.oreilly.com/catalog/awkprog3/>.

Ed.

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