
Subject: Re: executing a string in VM without using 'EXECUTE'

Posted by [Maarten\[1\]](#) on Fri, 06 Oct 2006 09:40:30 GMT

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gav wrote:

```
> There is probably a simple solution to this but I can't find it: I
> want to execute the string below in VM, without using (can't use) the
> 'EXECUTE' command. Any ideas / code etc greatly received.
>
> com='speci=where('+formula+',speccount)    ';write executable
> string
> t=execute(com)    ;execute string
>
> the 'formula' is  "(mr(*,*,159) le 8 or mr(*,*,170) gt mr(*,*,159)
> or mr(*,*,235) gt mr(*,*,159) )"
```

extract constants in the array indexing, and the limits with the
strmid/stregex functions. Turn them into variables, and build the
equation that way. Something like this:

```
b = stregex(formula,
'([0-9]+)[^0-9]+([0-9]+)[^0-9]+([0-9]+)[^0-9]+([0-9]+)[^0-9] +([0-9]+)[^0-9]+([0-9]+)',
/extract, /sub)
speci=where(mr[*,* ,long(b[1])] le long(b[2]) or mr[*,* ,long(b[3])] gt
mr[*,* ,long(b[4])] or mr[*,* ,long(b[5])] gt mr[*,* ,long(b[6])],
speccount)
```

That is , assuming the structure of the formula remains the same, only
the values change. If you want something more general, you have to
explain where the string comes from.

Maarten
