
Subject: ParseForArguments does not take comments in account

Posted by [frankdeprins](#) on Sun, 23 May 2010 21:01:13 GMT

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Hi,

As I already pointed out in another thread, 'SQLITE3: Bind parameter by name', the function ParseForArguments in Sqlite3upp.cpp mistakingly counts question marks inside comments as bind variables, making it impossible to execute such statements.

I made some modifications to this function to correct this behaviour and would appreciate if you would consider it for inclusion.

```
int ParseForArgs(const char* sqlcmd)
{
    int numargs = 0;
    const char* ptr = sqlcmd;
    while (*ptr)
        if(*ptr == '\\')
            while(++ptr && (*ptr != '"' || *++ptr && *ptr == '\\'))
                ;
        else if(*ptr == '-' && *++ptr && *ptr == '-')
            while(*++ptr && *ptr != '\n' && *ptr != '\r')
                ;
        else if(*ptr == '/' && *++ptr && *ptr == '*')
            while(*++ptr && *ptr != '*' && *++ptr && *ptr != '/')
                ;
        else if(*ptr++ == '?')
            ++numargs;
    return numargs;
}
```

frank

Subject: Re: ParseForArguments does not take comments in account

Posted by [mirek](#) on Fri, 28 May 2010 12:57:50 GMT

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Thanks, applied.

Subject: Re: ParseForArguments does not take comments in account

Posted by [frankdeprins](#) on Sun, 30 May 2010 21:35:58 GMT

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I'm afraid I still spotted an error in it . The line

`while(++ptr && *ptr != '*' && ++ptr && *ptr != '/')`
is still not correct because `/* */` comments will be seen as closed as soon as there is an asterisk, even with or without a slash following it. I will look into this tomorrow.

Sorry for the inconvenience

Subject: Re: ParseForArguments does not take comments in account

Posted by [frankdeprins](#) on Mon, 31 May 2010 09:26:26 GMT

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This should fix it

```
int ParseForArgs(const char* sqlcmd)
{
    int numargs = 0;
    const char* ptr = sqlcmd;
    while (*ptr)
        if(*ptr == '\\')
            while(++ptr && (*ptr != '"' || ++ptr && *ptr == '\\'))
                ;
            else if(*ptr == '-' && *(ptr+1) == '-')
                while(++ptr && *ptr != '\n' && *ptr != '\r')
                    ;
            else if(*ptr == '/' && *(ptr+1) == '*')
            {
                ptr++;
                while(++ptr && (*ptr != '*' || (*(ptr+1) && *(ptr+1) != '/'))
                    ;
            }
            else if(*ptr++ == '?')
                ++numargs;
    return numargs;
}
```

Subject: Re: ParseForArguments does not take comments in account

Posted by [mirek](#) on Mon, 31 May 2010 18:15:36 GMT

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Applied again

Subject: Re: ParseForArguments does not take comments in account

Posted by [frankdeprins](#) on Tue, 01 Jun 2010 05:07:33 GMT

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thanks; I'll doublecheck twice, next time
