
Subject: [solved] CParser GetColumn bugfix
Posted by [cbpporter](#) on Tue, 22 Oct 2019 09:24:46 GMT
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Calling GetColumn when the internal CParser::lineptr points to another line (which is rare in practice, but possible, can provide test case but don't think its needed) does not handle new-lines.

Fix:

```
int CParser::Pos::GetColumn(int tabsize) const
{
    int pos = 1;
    for(const char *s = lineptr; s < ptr; s++) {
        if(*s == CParser::LINEINFO_ESC) {
            s++;
            while(s < ptr && *s != CParser::LINEINFO_ESC)
                if(*s++ == '\3')
                    pos = atoi(s);
        }
        else
            if(*s == '\n')
                pos = 0; // FIX
            else
                if(*s == '\t')
                    pos = (pos + tabsize - 1) / tabsize * tabsize + 1;
                else
                    pos++;
    }
    return pos;
}
```

Additionally, I'm using CParser to parse more complicated input where simple SkipSpaces(true) doesn't work so I'm manually skipping whitespaces, but comments are still automatic.

I added the following overload to handle this:

```
CParser::CParser(const char *ptr, bool skipSpaces)
: term(ptr), wspc(ptr), lineptr(ptr)
{
    line = 1;
    skipspaces = skipSpaces;
    skipcomments = true;
    nestcomments = false;
    uescape = true;
```

```
if (skipSpaces)
    Spaces();
}
```

I need a solution that support hundreds of CParser created on the spot for random code jumping that do not eat whitespaces since they are syntactically significant.
