Subject: Re: Sorting of strings is broken
Posted by mirek on Thu, 04 Jul 2019 14:24:29 GMT

Thank you, fixed. The bug was lost when posted in [code] - it was utf-8 related. (That said, I am of course quite frightened and ashamed that something like this was in Core for quite some time...)

The problem was that this failed:

```
String a = "1911s";
String b = "1911-12 in Scottish football";
ASSERT(a < b);
```

'-' there is not basic ascii, but some higher utf-8 encoded unicode. So it is 3 byte sequence starting with 0xe3, hence it should be sorted after a. However, in one critical place characters were compared signed, which lead in < transitivity failure, which lead to sorting 1911s after 1911s/doc (you can check svn revision for details).

I am sorry about any inconviences this has caused.

(Note: the '-' in code section here is 'normal', I had to fix it because othrewise it gets ignored by the forum).

Mirek