

U++ - Bug #1600

CParser::IsNumber can return wrong result

01/03/2017 12:24 PM - cbpporter cbpporter

Status:	Approved	Start date:	01/03/2017
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:	Core	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
<p>CParser::IsNumber takes a base parameter, so I interpreted the function as being designed as "is the contents of the stream in the parser a number using base XXX?".</p> <p>If this assertion is true, IsNumber(8) on a stream with the contents "9 ..." will return true, which should be false.</p> <p>Fix:</p> <pre>bool CParser::IsNumber(int base) const { if(IsDigit(*term)) { int q = *term - '0'; return q >= 0 && q < base; } else { int q = ToUpper(*term) - 'A'; return q >= 0 && q < base - 10; } }</pre> <p>The fix is a bit slower, but I doubt this will have real life impact.</p>			

History

#1 - 01/03/2017 12:28 PM - cbpporter cbpporter

- Category set to Core

#2 - 01/03/2017 12:43 PM - Miroslav Fidler

- Status changed from New to Approved