

Core Development - Feature #25

make line and column tracking accurate in preprocessor

12/02/2004 12:00 PM - Greg Shah

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		vendor_id:	GCD
billable:	No		
Description			

History

#1 - 12/02/2004 02:20 PM - Nick Saxon

@18857 - The problem origin:

Today the line and column numbers are tracked inside the ClearStream class. The tracking is not accurate. The reason is that the transformations done to the input cause the reported line/column deviate from the true file positions.

1. Alternative codings read two bytes from the stream and push back one converted byte. Pushbacks don't adjust column numbers.

2. Substitutions for braces push back some bytes and need to adjust line/column counters, too.

Pushbacks should subtract from the column counter only if they don't contain newlines, or line and column if they do. The latter case is tricky because as soon as the newline is read the column counter is always reset to 1. In this case it should be reset to minus number of bytes after the newline in the pushback string.

The fix should neutralize the confusion the pushbacks do to the counters and then they remain accurate.

#2 - 05/10/2005 03:51 PM - Redmine Admin

@21145 - Status changed from Hold to WIP

#3 - 05/13/2005 06:23 PM - Redmine Admin

@21166 - Status changed from WIP to Hold

#4 - 04/12/2012 11:23 AM - Greg Shah

Imported from JPRM on 2012-04-12 11:23:19.503:

TASKID = 3136
PROJECTID = 125
STATUS = 3 (Hold)
DESCRIPTION = make line and column tracking accurate in preprocessor
OWNER = GES
ASSIGNEE =
BILLABLE = false
PRIORITY = 5 (Normal)
PHASE = 31 (Development)
COMPONENT = 97
ESTEFFORT = 0.000000
ESTSTART = 2004-12-02
ESTSTOP =
ACTSTOP =
CASENUM =
VENDORID =
COMMENT = ''
LASTWIP = 2005-05-13