Bug 720 (Priority: High)

Summary:
StringEscapeUtils.escapeXml(input) outputs wrong results, when an input contains characters in Supplementary Planes.

Description:

What steps will reproduce the problem?
I use StringEscapeUtils.escapeXml(input) to escape special characters for XML.

Additional Information
The cause of this problem is that the loop to **translate** input character by character is wrong. In ***CharSequenceTranslator.translate(CharSequence input, Writer out)***, loop counter "i" moves from 0 to Character.codePointCount(input, 0, input.length()), but it should move from 0 to input.length()

High

Bug 857 (Priority: High)

Summary:
StringIndexOutOfBoundsException in **CharSequenceTranslator**

Description:

What steps will reproduce the problem?
I found that there is bad surrogate pair handling in the **CharSequenceTranslator**.

Additional Information
The method affected *public final void **translate(CharSequence input, Writer out)** throws IOException*

Test Case Provided
*public void testEscapeSurrogatePairs() throws Exception {
    assertEquals("\uD83D\uDE30", StringEscapeUtils.escapeCsv("\uD83D\uDE30"));}*