

Well-Formed Unicode Strings Update

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22.1.3.10 String.prototype.isWellFormed ()

This method performs the following steps when called:

1. Let *O* be ? [RequireObjectCoercible](#)(**this** value).
2. Let *S* be ? [ToString](#)(*O*).
3. Return [IsStringWellFormedUnicode](#)(*S*).

22.1.3.11 String.prototype.toWellFormed ()

This method returns a String representation of this object with all [leading surrogates](#) and [trailing surrogates](#) that are not part of a [surrogate pair](#) replaced with U+FFFD (REPLACEMENT CHARACTER).

It performs the following steps when called:

1. Let *O* be ? [RequireObjectCoercible](#)(**this** value).
2. Let *S* be ? [ToString](#)(*O*).
3. Let *strLen* be the length of *S*.
4. Let *k* be 0.
5. Let *result* be the empty String.
6. Repeat, while *k* < *strLen*,
 - a. Let *cp* be [CodePointAt](#)(*S*, *k*).
 - b. If *cp*.[[IsUnpairedSurrogate]] is **true**, then
 - i. Set *result* to the [string-concatenation](#) of *result* and 0xFFFD (REPLACEMENT CHARACTER).
 - c. Else,
 - i. Set *result* to the [string-concatenation](#) of *result* and [UTF16EncodeCodePoint](#)(*cp*.[[CodePoint]]).
 - d. Set *k* to *k* + *cp*.[[CodeUnitCount]].
7. Return *result*.

Stage 3?