package com.twitter.tweetypie.util

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\* Escape a String into Java or Scala String literal syntax (adds the

\* surrounding quotes.)

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\* This is primarily for printing Strings for debugging or logging.

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object StringLiteral extends (String => String) {

private[this] val ControlLimit = ' '

private[this] val PrintableLimit = '\u007e'

private[this] val Specials =

Map('\n' -> 'n', '\r' -> 'r', '\t' -> 't', '"' -> '"', '\'' -> '\'', '\\' -> '\\')

def apply(str: String): String = {

val s = new StringBuilder(str.length)

s.append('"')

var i = 0

while (i < str.length) {

val c = str(i)

Specials.get(c) match {

case None =>

if (c >= ControlLimit && c <= PrintableLimit) s.append(c)

else s.append("\\u%04x".format(c.toInt))

case Some(special) => s.append('\\').append(special)

}

i += 1

}

s.append('"').result

}

}