

A quine program written in K-framwork

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Usage: kompile and then run with krun --output none

MODULE QUINE-EXPLICIT

CONFIGURATION:

k"" ↷ ""

out•List

prefix "// Copyright (c) 2013-2014 K Team. All Rights Reserved." ↷ "/"*!" ↷ "\\title{A quine program written in K-framwork}" ↷ "\\author{Radu Mereu\\c{t}\\u{a}}" ↷ " (\\texttt{radu.mereuta@info.uaic.ro}})" ↷ "\\organization{Un

suffix"" ↷ " syntax" ↷ " K ::= escape(String) [function]" ↷ " rule" ↷ " escape(S:String) => replaceAll(replaceAll(replaceAll(S, \\\"\\\\\", \\\"\\\\\\\\\\\\\\\\\"), \\\"\\\\n\\\", \\\"\\\\\\\\n\\\"), \\\"\\\\\\\\\\\", \\\"\\\\\\\\\\\\\\\\\\\\\\\")" ↷ "" ↷ " rule" ↷ " <k> (S1 => S1 +String P +String \\\"\\\\n\\\") ~> (S2 => S2 +Strin

SYNTAX K ::= escape (String) [function, klabel('escape)]

RULE

escape (S:String)

replaceAll (replaceAll (replaceAll (S, \\\", \\\"\\\\\", \"\\n\", \"\\\\n\"), \\\"\\\\\", \"\\\\\\\\\\\\\\\\\")

RULE

k

$$\frac{S1}{S1 +String P +String \"\\n\"} \rightsquigarrow \frac{S2}{S2 +String \"\\\" +String escape (P) +String \"\\\" ~>\\n\"}$$

prefix

$$\frac{P:String}{\bullet_K}$$

RULE

k

$$\frac{S1 \rightsquigarrow S2}{\"\" \rightsquigarrow \"\"}$$

prefix

$$\frac{\bullet_K}{0}$$

out

$$\frac{\bullet_{List}}{ListItem (S1 +String S2 +String \" .K\\n </prefix>\\n <suffix>\\n\")}$$

RULE

k

$$\frac{S1}{S1 +String P +String \"\\n\"} \rightsquigarrow \frac{S2}{S2 +String \"\\\" +String escape (P) +String \"\\\" ~>\\n\"}$$

suffix

$$\frac{P:String}{\bullet_K}$$

prefix

0

RULE

k

$$\frac{S1 \rightsquigarrow S2}{\bullet_K}$$

suffix

$$\frac{\bullet_K}{0}$$

out

$$\frac{\bullet_{List}}{ListItem (S2 +String \" .K\\n </suffix>\\n\" +String S1)}$$

END MODULE