

MEDFORD Grammar

$\langle comment \rangle$::= from # to end-of-line
$\langle macro-name \rangle$::= $\langle string-literal \rangle$
$\langle macro \rangle$::= $\text{\textasciitilde}\text{\textcircled{}} \langle macro-name \rangle$
$\langle L\!A\!T\!E\!X\text{-}literal \rangle$::= $\text{\textdollar}\text{\textdollar} \langle valid\text{-}L\!A\!T\!E\!X \rangle \text{\textdollar}\text{\textdollar}$
$\langle text \rangle$::= $*(\langle string-literal \rangle \mid \langle L\!A\!T\!E\!X\text{-}literal \rangle \mid \langle macro \rangle \mid \langle whitespace \rangle)$ terminated by ($\# \mid \text{\textcircled{}} \mid \text{\textasciitilde}\text{\textcircled{}}$)
$\langle macro-def \rangle$::= $\langle macro \rangle \langle whitespace \rangle \langle text \rangle$
$\langle minor-token \rangle$::= $\langle string-literal \rangle$ (parsable tokens defined in the spec)
$\langle data-prov-token \rangle$::= Data_Primary \mid Data_Copy \mid Data_Ref Code_Primary \mid Code_Copy \mid Code_Ref Paper_Primary \mid Paper_Copy \mid Paper_Ref
$\langle major-token \rangle$::= Comment \mid Contributor \mid Data \mid Date \mid Expedetion \mid File \mid Funding \mid Keyword \mid Method \mid Paper \mid Software \mid Species \mid Version \mid $\langle data-prov-token \rangle$ \mid $\langle string-literal \rangle$
$\langle metadata \rangle$::= $\text{\textcircled{}} \langle major-token \rangle - \langle minor-token \rangle \langle whitespace \rangle \langle text \rangle$
$\langle statement \rangle$::= $\langle metadata \rangle$ \mid $\langle comment \rangle$ \mid $\langle macro-def \rangle$ \mid $\langle empty \rangle$
$\langle MEDFORD \rangle$::= $*\langle statement \rangle$

Notes:

- $\langle string-literal \rangle$ excludes whitespace
- This doesn't include the $\text{\textasciitilde}\text{\textcircled{}}\{\text{macro}\}$ syntax yet