

# MEDFORD Grammar

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$\langle comment \rangle$	::= from # to end-of-line
$\langle macro \rangle$	::= $\texttt{\`@} \langle string-literal \rangle$   $\texttt{\`@} \{1^*(\langle string-literal \rangle \mid \langle whitespace \rangle)\}$
$\langle L\!A\!T\!E\!X\text{-}literal \rangle$	::= $\texttt{\$} \texttt{\$} \langle L\!A\!T\!E\!X \rangle \texttt{\$} \texttt{\$}$
$\langle text \rangle$	::= $*((\langle string-literal \rangle \mid \langle L\!A\!T\!E\!X\text{-}literal \rangle \mid \langle macro \rangle) \langle whitespace \rangle)$ terminated by ( $\texttt{\#} \mid \texttt{\`@} \mid \texttt{\`@}$ )
$\langle macro-def \rangle$	::= $\langle macro \rangle \langle whitespace \rangle \langle text \rangle$
$\langle minor-token \rangle$	::= $\langle string-literal \rangle$ (expected tokens defined in the spec)
$\langle data-prov-token \rangle$	::= $\texttt{Data\_Primary} \mid \texttt{Data\_Copy} \mid \texttt{Data\_Ref}$   $\texttt{Code\_Primary} \mid \texttt{Code\_Copy} \mid \texttt{Code\_Ref}$   $\texttt{Paper\_Primary} \mid \texttt{Paper\_Copy} \mid \texttt{Paper\_Ref}$
$\langle major-token \rangle$	::= $\texttt{Code} \mid \texttt{Comment} \mid \texttt{Contributor} \mid \texttt{Data} \mid \texttt{Date} \mid \texttt{Expedetion}$   $\texttt{File} \mid \texttt{Funding} \mid \texttt{Keyword} \mid \texttt{Method} \mid \texttt{Paper} \mid \texttt{Software}$   $\texttt{Species} \mid \texttt{Version}$   $\langle data-prov-token \rangle$   $\langle string-literal \rangle$
$\langle metadata \rangle$	::= $\texttt{@} \langle major-token \rangle - \langle minor-token \rangle \langle whitespace \rangle \langle text \rangle$
$\langle statement \rangle$	::= $\langle metadata \rangle$   $\langle comment \rangle$   $\langle macro-def \rangle$   $\langle empty \rangle$
$\langle MEDFORD \rangle$	::= $*\langle statement \rangle$

Notes:

- $\langle string-literal \rangle$  excludes whitespace