grammar saystuff;

stmt : hellostmt | byestmt | infostmt ;

infostmt : HELLOTOK TITLE ID VERB DESCR ;

hellostmt : HELLOTOK TITLE ID ;

byestmt : BYETOK TITLE ID ENDTOK\* ;

HELLOTOK : 'hi' | 'hello' | 'greetings' | 'hey' ;

TITLE : 'mr' | 'ms' | 'doctor' | 'sir' ;

BYETOK : 'bye' | 'sayanora' ;

ENDTOK : 'later' ;

VERB : 'runs' | 'jumps' | 'climbs' | 'walks' ;

DESCR : 'fast' | 'high' | 'slow' | 'poorly' ;

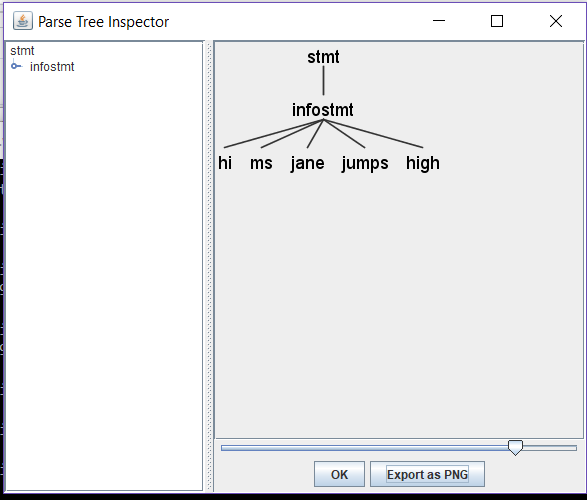
ID : [a-z]+ ;

WS : [ \t\r\n]+ -> skip ;

grun saystuff stmt -gui

hi ms jane jumps high

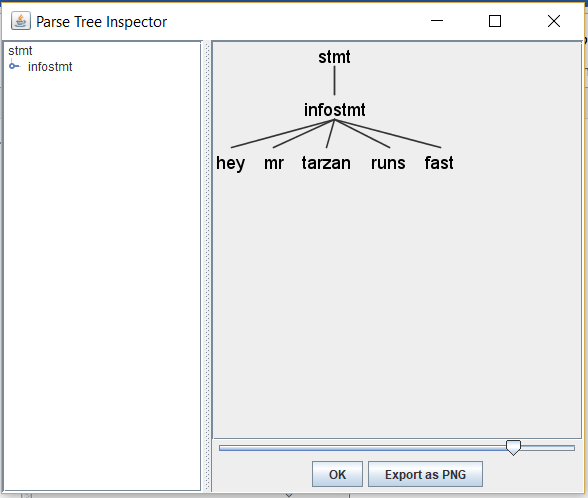
^Z



grun saystuff stmt -gui

hey mr tarzan runs fast

^Z



grun saystuff stmt -tokens

greetings sir hfjdksfbnfwojenf climbs poorly

^Z

[@0,0:8='greetings',<HELLOTOK>,1:0]

[@1,10:12='sir',<TITLE>,1:10]

[@2,14:29='hfjdksfbnfwojenf',<ID>,1:14]

[@3,31:36='climbs',<VERB>,1:31]

[@4,38:43='poorly',<DESCR>,1:38]

[@5,46:45='<EOF>',<EOF>,2:0]