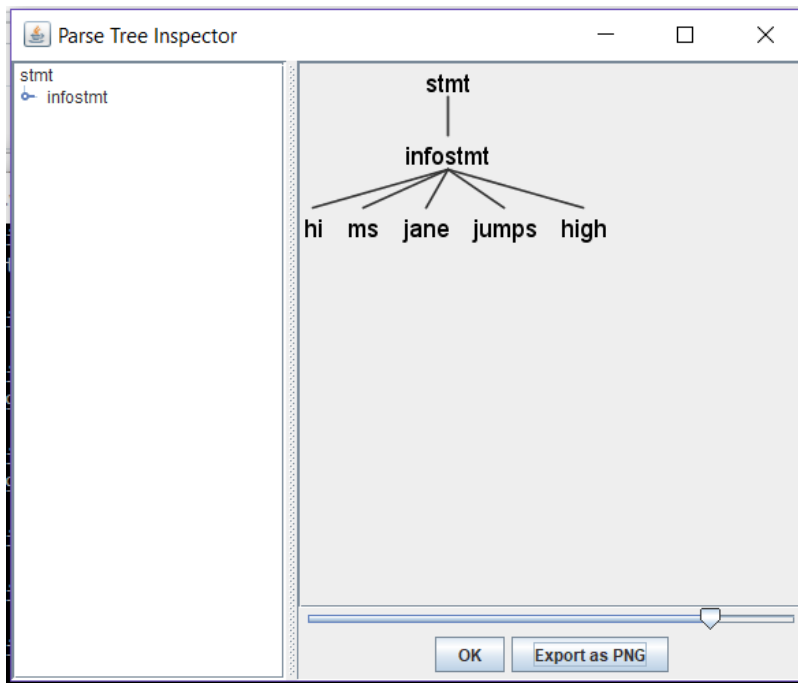


```
grammar saystuff;
```

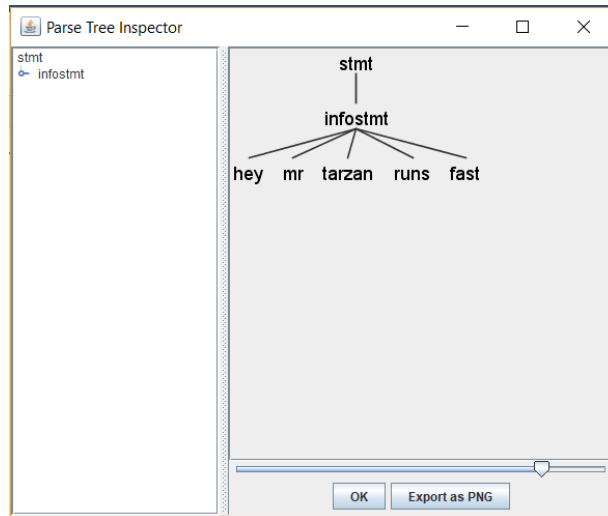
```
stmt      : hellostmt | byestmt | infostmt ;
infostmt  : HELLOTOK TITLE ID VERB DESCR ;
hellostmt : HELLOTOK TITLE ID ;
byestmt   : BYETOK TITLE ID ENDTOK* ;

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]
```