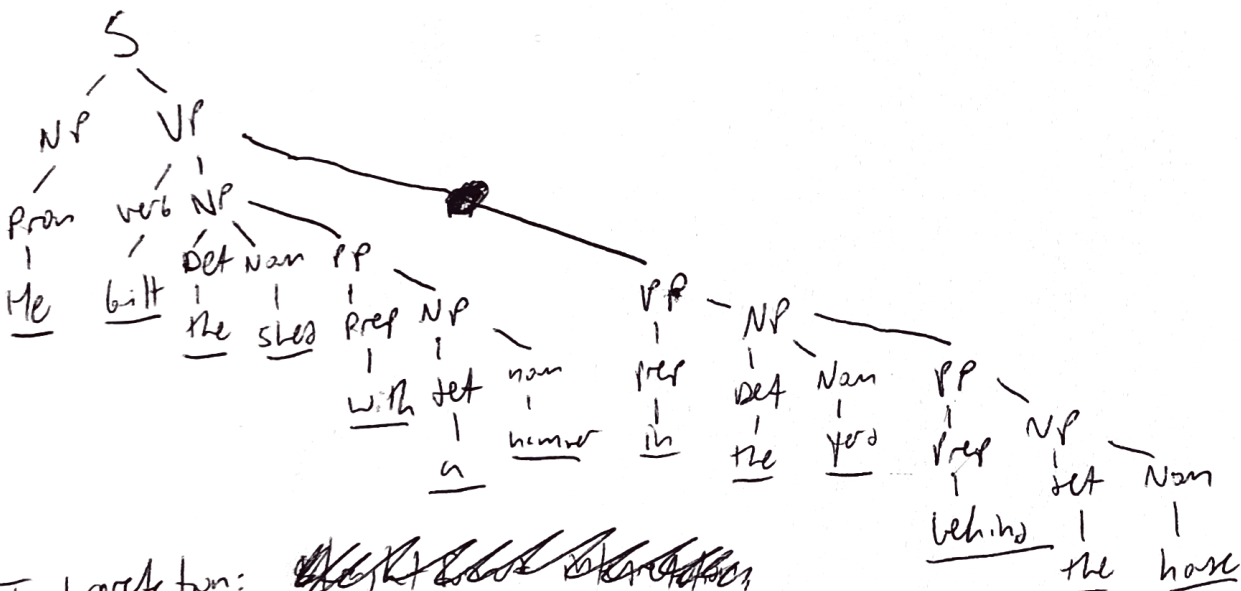
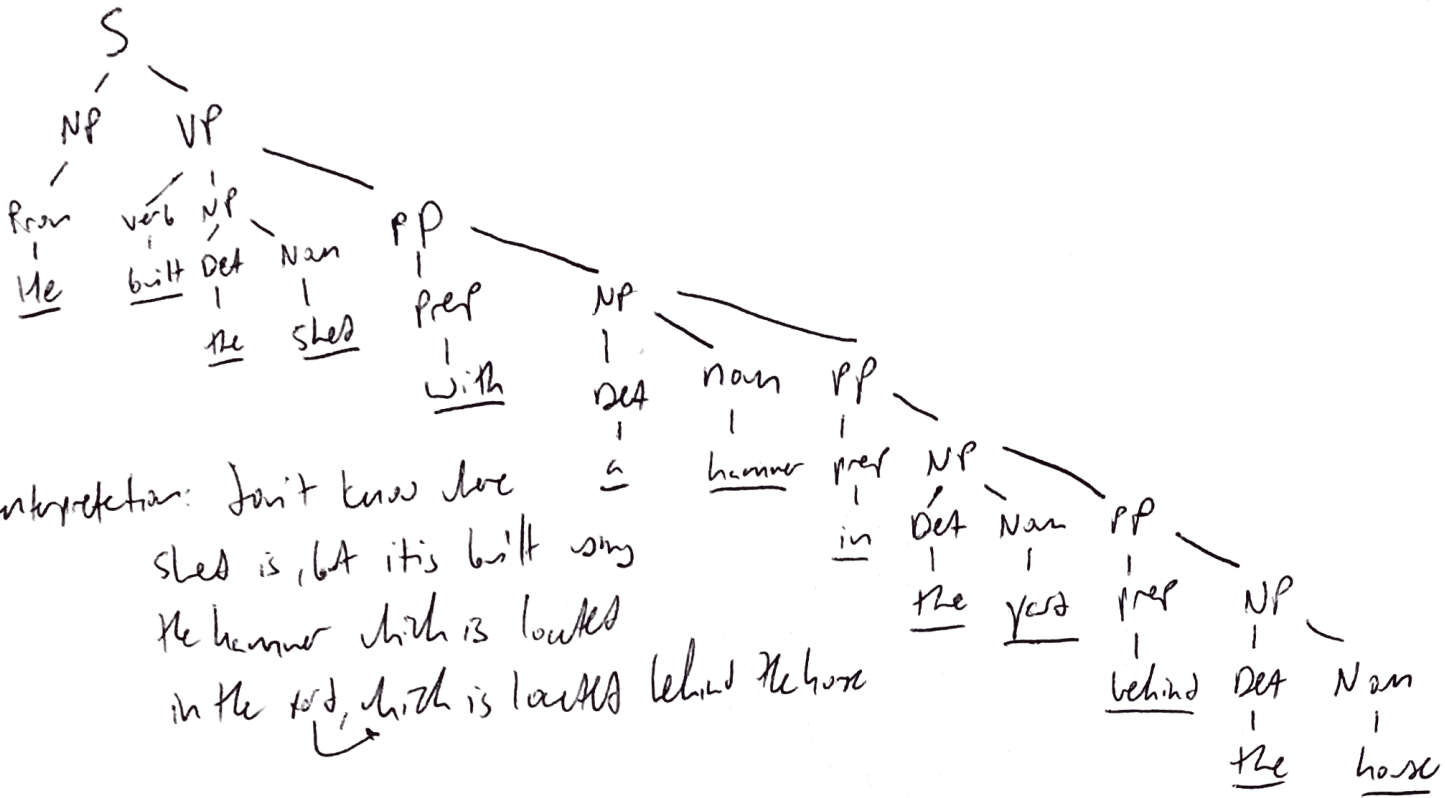
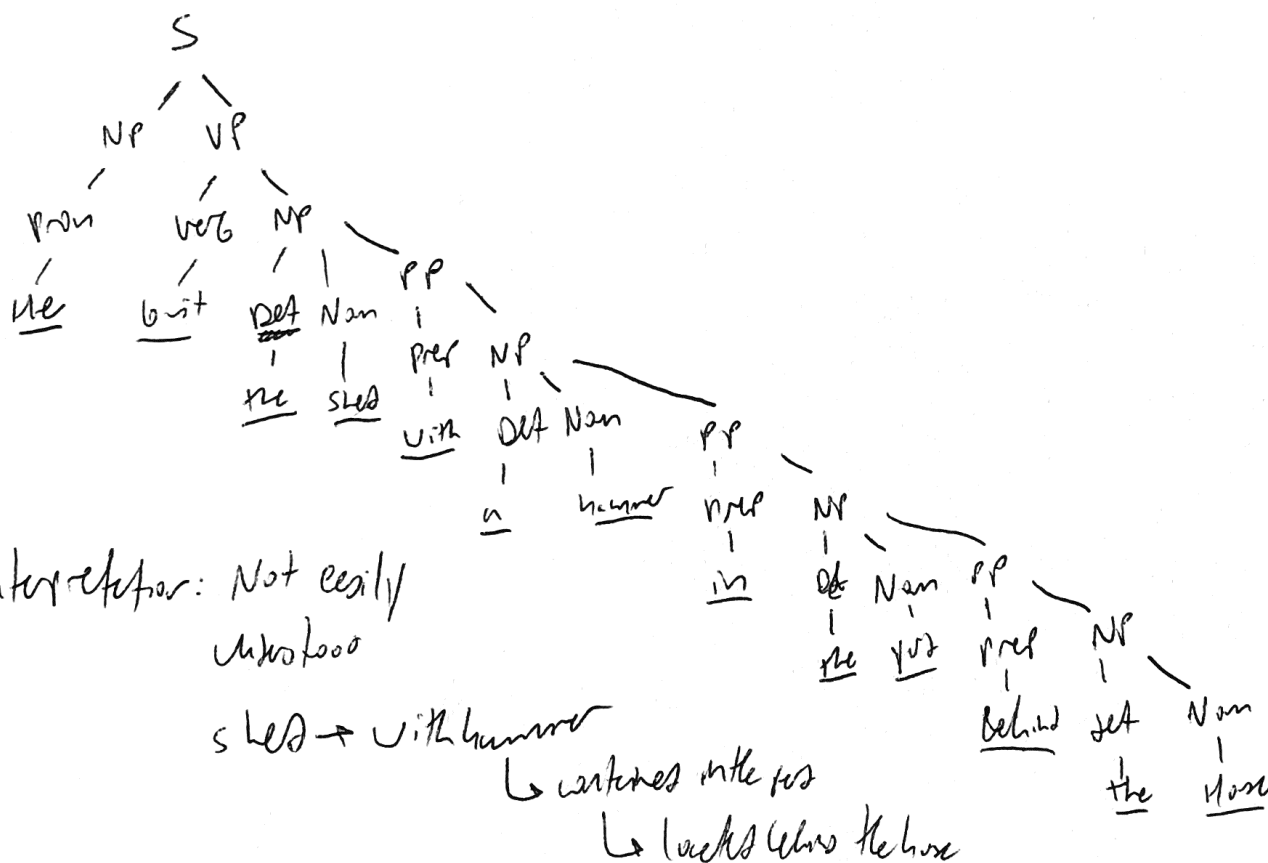
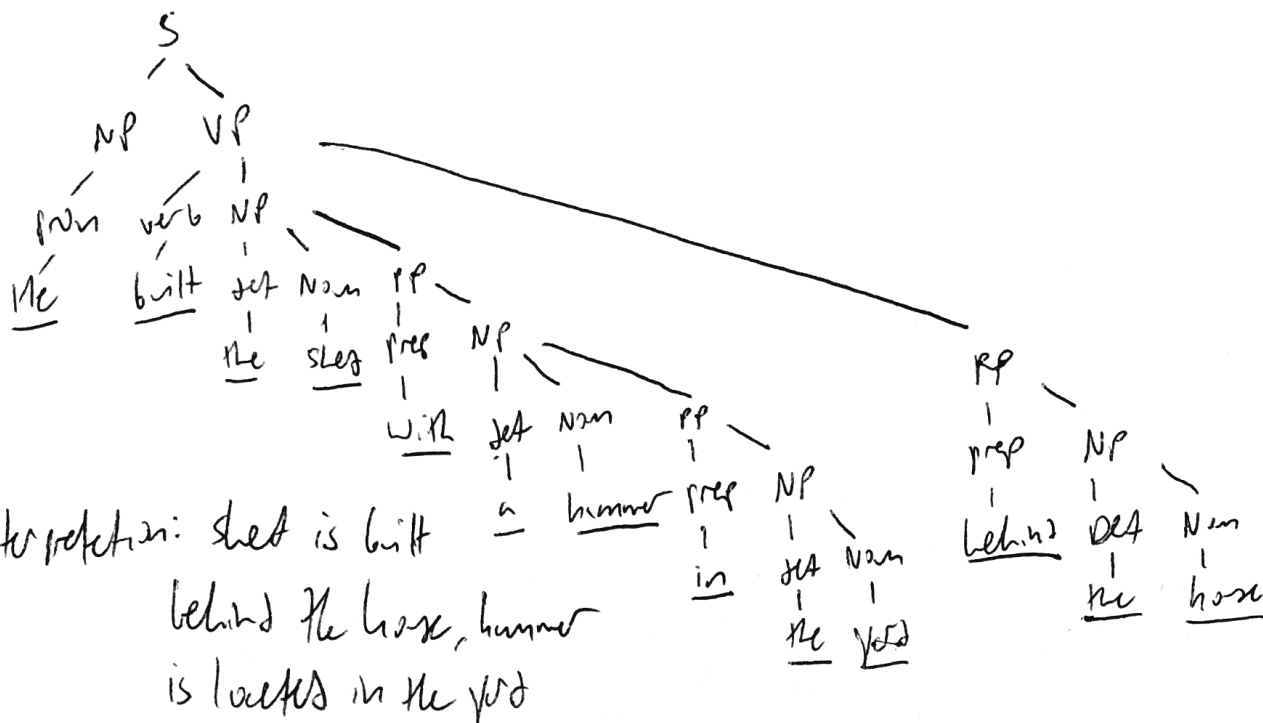


# Assignment 1 - Meyer Dauber

Q1)





Q2)

a -  $S \rightarrow NP VP$

$S \rightarrow VP NP$

$NP \rightarrow Det Nam$

$NP \rightarrow Nam Nam$

$NP \rightarrow Nam PP$

$VP \rightarrow Verb NP$

$VP \rightarrow Verb VP$

$PP \rightarrow Prep NP$

$NP \rightarrow time$

$NP \rightarrow flies$

$NP \rightarrow crowd$

$Nam \rightarrow time$

$Nam \rightarrow flies$

$Nam \rightarrow crowd$

$VP \rightarrow time$

$VP \rightarrow flies$

$VP \rightarrow like$

$verb \rightarrow time$

$verb \rightarrow flies$

$verb \rightarrow like$

$Prep \rightarrow like$

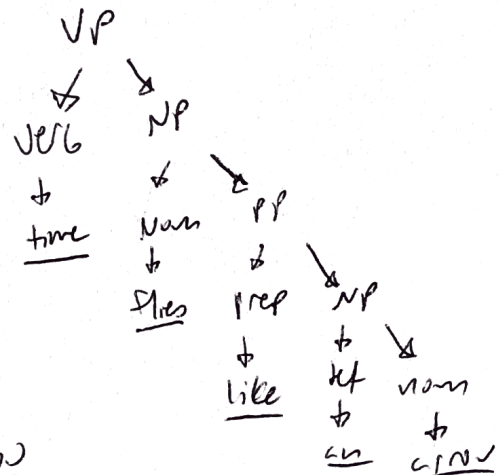
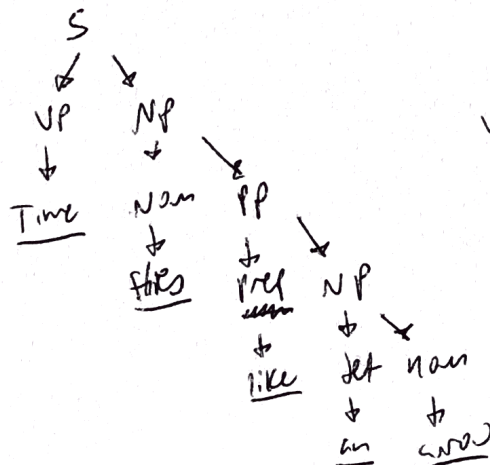
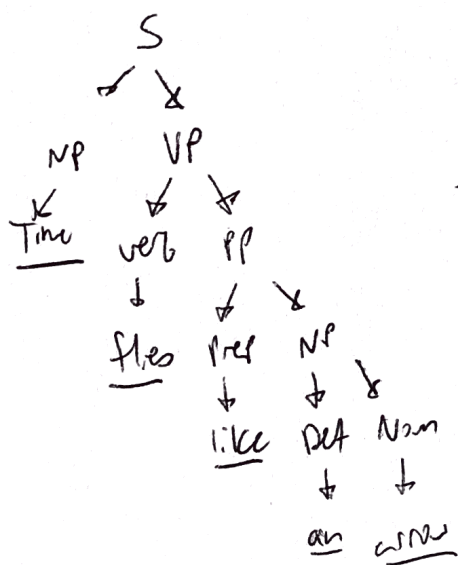
$Det \rightarrow an$

b -

	time	flies	like	an	crowd
verb nam NP VP	S NP VP	S (NP VP)		S VP	
	verb nam NP VP	S (NP VP)		S (NP VP) NP VP	
		verb VP prep		S (VP NP) VP PP	
			Det	NP	
				NP nam	

c - ~~3~~ 3, start in the far right box and work down/right to create phrase structures until all words or initials in same class in the sentence or whole phrase

d -



Q 3) a - Edge 3 is incorrect → should be a det arrow from "cs" to "a"

b - Edge 2 is incorrect → should be a det arrow from "meeting" to "the"

c - Edge 6 is incorrect → should be an advice arrow from "go" to "now"

Q 4)

- 1 - rest
- 2 - nsubj
- 3 - amod
- 4 - det
- 5 - advmod
- 6 - obj
- 7 - det

Q 5) see Python files for functions