# **CG3 PRACTICAL EXERCISE 1**

For this exercise, we will use VISL's CG Lab:  [https://visl.sdu.dk/cglab.htm](https://beta.visl.sdu.dk/cglab.htm).

Given the sentence ***He's adopted another blasted lame duck and has got him living here with him!***

1. **Fill in the chart below with the meaning of the tags. Just check the tags in capital letters (part of speech and morphological tags). Mark which of the readings for each word form is the correct one in the given context.**

|  |  |
| --- | --- |
|  | COMMENTS |
| **"<he\_>"** |  |
| **"he" <sam-> <\*> <masc> PERS MASC 3S NOM** | Personal pronoun masculine 3rd person singular nominative case. ONLY reading. |
| **"<\_s>"** |  |
| "be" <-sam> V PR 3S | Verb present 3rd person singular |
| "we" <-sam> PERS 1P ACC | Personal pronouns 1st person accusative |
| **"have" <-sam> V PR 3S** | Verb present 3rd person singular |
| **"<adopted>"** |  |
| **"adopt" V PCP2 AKT** | Verb past participle active |
| "adopt" V PCP2 PAS | Verb past participle passive |
| "adopt" V PCP2 STA | Verb past participle stative |
| "adopt" V IMPF | Verb past tense |
| **"<another>"** |  |
| "another" INDP S NOM | Independent pronoun singular nominative |
| **"another" DET S** | Determinant singular |
| **"<blasted>"** |  |
| **"blasted" ADJ POS** | Adjective positive |
| "blast" <v.contact> V PCP2 AKT | Verb past participle active |
| "blast" <v.contact> V PCP2 PAS | Verb past participle passive |
| "blast" <v.contact> V PCP2 STA | Verb past participle stative |
| "blast" <v.contact> V IMPF | Verb past tense |
| **"<lame>"** |  |
| "lame" V PR -3S | Verb present not 3rd person singular |
| "lame" V INF | Verb infinitive |
| "lame" V IMP | Verb imperative |
| **"lame" <jsick> ADJ POS** | Adjective positive |
| "lame" <cc> N S NOM | Noun singular nominative |
| **"<duck>"** |  |
| "duck" V PR -3S | Verb present not 3rd person singular |
| "duck" V INF | Verb infinitive |
| "duck" V IMP | Verb imperative |
| **"duck" <Hprof> <comp2> N S NOM** | Noun singular nominative |
| **"<and>"** |  |
| **"and" KC** | Coordinating conjunction |
| **"<has>"** |  |
| **"have" V PR 3S** | Verb present 3rd person singular |
| **"<got>"** |  |
| "get" <va+DIR> <vta+DIR> <vtk+ADJ> V IMPF | Verb past tense |
| **"get" <va+DIR> <vta+DIR> <vtk+ADJ> V PCP2 AKT** | Verb past participle active |
| "get" <va+DIR> <vta+DIR> <vtk+ADJ> V PCP2 PAS | Verb past participle passive |
| "get" <va+DIR> <vta+DIR> <vtk+ADJ> V PCP2 STA | Verb past participle stative |
| **"<him>"** |  |
| **"he" <masc> PERS MASC 3S ACC** | Personal pronoun masculine 3rd person singular accusative |
| **"<living>"** |  |
| "living" <f-psych> <HH> <mon> <state> N S NOM | Noun singular nominative |
| "living" <jpert> <jppl> ADJ POS | Adjective |
| **"live" <va+LOC> V PCP1** | Verb present participle |
| "living" <pcp1> ADJ POS | Adjective |
| "living" <pcp1> N S NOM | Noun singular nominative |
| **"<here>"** |  |
| **"here" <aloc> ADV** | Adverb |
| **"<with>"** |  |
| **"with" PRP** | Preposition |
| **"<him>"** |  |
| **"he" <masc> PERS MASC 3S ACC** | Personal pronoun masculine 3rd person singular accusative |
| **"<$!>"** |  |
| **"!" PU <<< @PU** | Punctuation |

1. **Develop a grammar to disambiguate the sentence as much as you can.   
   # Comment the grammar rules, describing them, give examples if needed...**

**GRAMMAR**

1 DELIMITERS = "<$.>" "<$!>" "<$?>" "<$\;>" "<$:>" "<$-->" "<$>" "<$start>" "<$START>" ;

2 MAPPING-PREFIX = @ ;

3

4 SETS

5 LIST PAST\_VERBS = PCP2 IMPF;

6 LIST ADJ\_NOUN = ADJ N;

7

8 CORRECTIONS

9

10 MAPPINGS

11

12 CONSTRAINTS

13 # Remove we if the previous word if not let (<\_s>)

14 REMOVE ("we") IF (0 ("<\_s>")) (NOT -1 ("let"));

15

16 # Remove be if the following verb is not past participle or past (<\_s>)

17 REMOVE ("be") IF (0 ("<\_s>")) (1 PAST\_VERBS);

18

19 # Select past participle active if the previous verb is have (<adopted>, <got>)

20 SELECT (V PCP2 AKT) IF (-1 ("have"));

21

22 # Select determiner if the following word is an adjective or a noun (<another>)

23 SELECT (DET) IF (1 ADJ\_NOUN);

24

25 # Select adjective if the following word is an adjective or a noun (<blasted>, <lame>)

26 SELECT (ADJ) IF (1 ADJ\_NOUN);

27

28 # Select noun if the previous word is an adjective (<duck>)

29 SELECT (N) IF (-1 (ADJ));

30

31 # Select verb if the following word is an adverb (<living>)

32 SELECT (V) IF (1 (ADV));

**OUTPUT**

"<he\_>"

"he" <sam-> <\*> <masc> PERS MASC 3S NOM

"<\_s>"

"have" <-sam> V PR 3S

; "be" <-sam> V PR 3S REMOVE:17

; "we" <-sam> PERS 1P ACC REMOVE:14

"<adopted>"

"adopt" V PCP2 AKT SELECT:20

; "adopt" V PCP2 PAS SELECT:20

; "adopt" V PCP2 STA SELECT:20

; "adopt" V IMPF SELECT:20

"<another>"

"another" DET S SELECT:23

; "another" INDP S NOM SELECT:23

"<blasted>"

"blasted" ADJ POS SELECT:26

; "blast" <v.contact> V PCP2 AKT SELECT:26

; "blast" <v.contact> V PCP2 PAS SELECT:26

; "blast" <v.contact> V PCP2 STA SELECT:26

; "blast" <v.contact> V IMPF SELECT:26

"<lame>"

"lame" <jsick> ADJ POS SELECT:26

; "lame" V PR -3S SELECT:26

; "lame" V INF SELECT:26

; "lame" V IMP SELECT:26

; "lame" <cc> N S NOM SELECT:26

"<duck>"

"duck" <Hprof> <comp2> N S NOM SELECT:29

; "duck" V PR -3S SELECT:29

; "duck" V INF SELECT:29

; "duck" V IMP SELECT:29

"<and>"

"and" KC

"<has>"

"have" V PR 3S

"<got>"

"get" <va+DIR> <vta+DIR> <vtk+ADJ> V PCP2 AKT SELECT:20

; "get" <va+DIR> <vta+DIR> <vtk+ADJ> V IMPF SELECT:20

; "get" <va+DIR> <vta+DIR> <vtk+ADJ> V PCP2 PAS SELECT:20

; "get" <va+DIR> <vta+DIR> <vtk+ADJ> V PCP2 STA SELECT:20

"<him>"

"he" <masc> PERS MASC 3S ACC

"<living>"

"live" <va+LOC> V PCP1 SELECT:32

; "living" <f-psych> <HH> <mon> <state> N S NOM SELECT:32

; "living" <jpert> <jppl> ADJ POS SELECT:32

; "living" <pcp1> ADJ POS SELECT:32

; "living" <pcp1> N S NOM SELECT:32

"<here>"

"here" <aloc> ADV

"<with>"

"with" PRP

"<him>"

"he" <masc> PERS MASC 3S ACC

"<$!>"

"!" PU <<< @PU

"<$¶>"