

$$G = (V, T, S, P)$$

$V = \{ \text{Verb-Phrase, Verb, Noun, Adjective, Adverb, Noun-Phrase, Conjunction, S} \}$

$T = \{ \text{to prevent, covid, wash, your, hand, be careful, about, social, distance, wear, facemask, visit, doctor, if, you, have, symptom, mindful, of, friends, do not, panic, } \lambda \}$

$P = \{ S \rightarrow \text{Verb-Phrase Noun-Phrase} \mid S \text{ Conjunction } S \mid \text{Noun Phrase } S \mid \lambda$

$\text{Verb-Phrase} \rightarrow \text{Verb}$

$\text{Noun-Phrase} \rightarrow \text{Adjective Noun-Phrase} \mid \text{Noun} \mid \text{Adverb Noun-Phrase} \mid \lambda$

$\text{Verb} \rightarrow \text{to prevent} \mid \text{wash} \mid \text{be careful} \mid \text{wear} \mid \text{visit} \mid \text{have} \mid \text{do not}$

$\text{Noun} \rightarrow \text{covid} \mid \text{hand} \mid \text{distance} \mid \text{facemask} \mid \text{doctor} \mid \text{you} \mid \text{symptom} \mid \text{friends}$

$\text{Adjective} \rightarrow \text{your} \mid \text{social} \mid \text{mindful of} \mid \text{panic}$

$\text{Adverb} \rightarrow \text{about}$

$\text{Conjunction} \rightarrow \text{if} \}$

2110316 (2019/2)
For individual student

Instruction

This is a grammar, compute first and follow set.
There is Internet service to compute it. Don't use that.
Please do it by yourself.

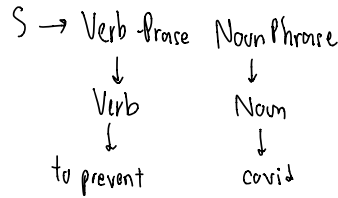
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dcl2 = (formal) stmt | { NUMBER }

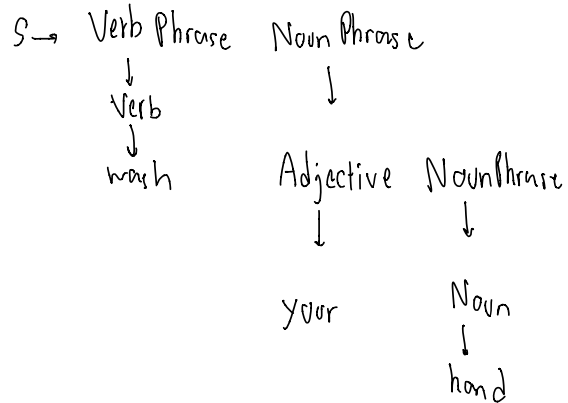
These are samples of sentences from a language. Write a grammar to cover this language.

to prevent covid ✓
wash your hand ✓
be careful about social distance ✓
wear your facemask ✓
visit doctor if you have symptom ✓
mindful of your friends ✓
do not panic

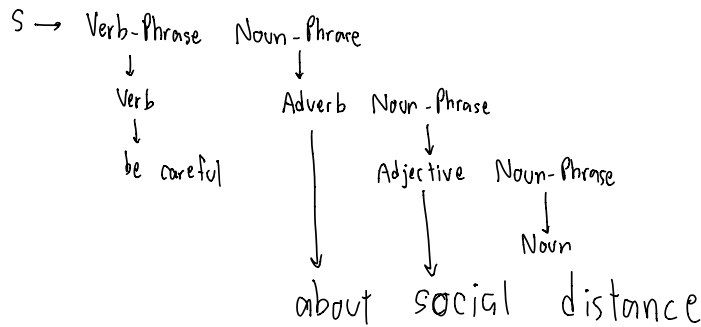
to prevent covid



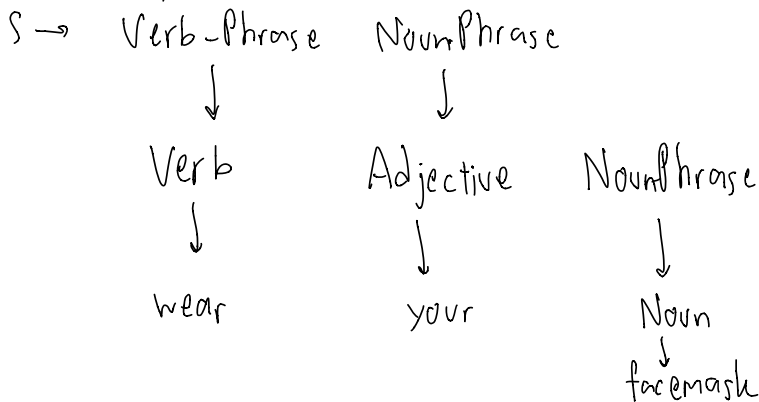
wash your hand



be careful about social distance



wear your facemask



visit doctor if you have symptom



