**Writing CFG rules**

**[Instruction]**

1. Provide **A SET OF RULES** to parse all the **5** sentences.
2. In case you are not able to provide a set, then do the followings.

* Write **5 sets** of rules, each of which parses a corresponding sentence
* The rules should be in the **CFG** format.
  + The format can be replaced with **CNF**.
* A lexicon has to be defined.
* The rules should be able to describe **ALL** and **ONLY** grammatical sentences.

**[Sentences to be analyzed]**

1. The company hired a man with sincerity.
2. Which option do you want to select?
3. The shop manager wrote an email to the customer.
4. While you were taking a nap, I was working overtime.
5. The professor permitted the students to take a nap during the class.

**[What to submit?]**

1. **Grammar Files**
   * A file including a set of CFG rules to parse all the sentences
   * If you have written separate rules for the sentences,
     + 5 Files, each of which includes a set of rules to parse a corresponding sentence.
2. **Output Files Containing Output Trees**
   * A file or files including all the parse trees produced by the set of rules to describe all the 5 sentences

**[When to submit?]**

1. **Due by 9:00 AM on June 17**