Interview Questions

1 Please use **Chatito software** to generalize the sentence structure with the topic of "**asking about the weather**" in Hausa and English respectively, and then send the file to us.

How to use Chatito software please refer to Chatito software operation instructions.

And There are two key points in the sentence structure of "**asking about the weather**". One must ensure the intention of asking the weather, we call it **the intention entity**. The other must contain keywords, we call it **the slot entity**, there are two slot entitites here, one is **time slot entity**, such as today,tomorrow and the other is **address slot entity**, such as beijing, shanghai,etc. Here we will give you an example, "what’s the weather like in **beijing** **today**?"

Now let me describe the requirements:

1.1 Please make sure the file you write can be compiled and passed

1.2 Generalized to at least 2 regular sentences

1.3 Syntactically differentiate as much as possible between sentence patterns and sentence patterns

1.4 The sentence content generated by each rule sentence pattern is as rich as possible and is consistent with daily oral expression habits

2 Regarding the software Chatito we use, what is the difference in expression when generalizing linguistics in English and Hausa, and whether there are any functional deficiencies in the Hausa software? If so, I would like to hear from you Suggestions for improvement of this software.

**Chatito software operation instructions**

Chatito is a powerful domain specific language designed to simplify the process of creating, extending and maintaining datasets for training and validating natural language processing (NLP) models for text classification, named entity recognition, slot filling or equivalent tasks.

The website of Chatito software is [https://rodrigopivi.github.io/Chatito/](https://rodrigopivi.github.io/Chatito), which is composed of special symbols such as "%[]", "@", "~[]", "?", etc.

1.1 The intent entity is defined by the %[ symbols at the start of a line, following by the entity name and ].

1.2 The slot entity is defined by the @[ symbols at the start of a line, following by the name of the slot and ].

1.3 The alias entity is defined by the ~[ symbols at the start of a line, following by the name of the alias and ].

1.4 the ? symbol means that the slot or alias combination is optional, and could be omitted at generation.

The specific usage can be seen in chatito Doc documentation:

<https://github.com/rodrigopivi/Chatito/blob/master/spec.md>

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