

In the First-Order Logic (FOL) statements I provided, the use of capital letters and lowercase letters is a convention to distinguish between different types of terms within the logic statements. Let me break down the convention:

1-Capital letters are often used to represent variables, predicates, or constants in FOL.

For example, in the statement

FoodFraudInMalaysia

FoodFraudInMalaysia, "FoodFraudInMalaysia" is treated as a single predicate or variable that represents the concept of food fraud in Malaysia.

2-Lowercase letters are sometimes used to represent specific instances or objects.

For example, in the statement

ConsumerHealth

ConsumerHealth, "ConsumerHealth" is treated as a predicate or variable, and it doesn't represent a specific instance but rather the general concept of consumer health.

3-CamelCase, where multiple words are combined without spaces and each word starts with a capital letter, is a common convention in computer science and logic representation.

For example,

PotentiallyHarmfulCompounds is written in CamelCase, making it easier to read and understand complex terms.

The use of capital letters, lowercase letters, and CamelCase helps improve the readability of FOL statements and provides

a consistent structure for representing different elements within logical expressions.

It's a convention that is often followed in various branches of logic, including formal logic used in computer science and artificial intelligence.