

SE-410 Homework 4

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What is Logic?

Logic is the study of formal inference, that allows the user to determine correct answers through a sequence of a standard processes.

What is stoic logic and explain its relevance?

Stoic logic is a system of deduction in which the smallest expression are propositions. This lead to the development of the propositional logic.

Describe Boole's symbolic logic provided the foundation for digital computing.

Boole's symbolic logic provided a basis for switching theory, a way to formally and unambiguously define methods, and a way to design digital circuits.

Describe Frege's contribution to logic.

Frege proposed logic as a language for mathematics and created an advancement on to Aristotle's syllogistic logic called predicate logic and invented universal and existential qualifiers

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