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1. Determine the data types and specifications of each in your new programming language. Make sure that you will have a rule to accept the data in this data type.

List of Data types for Snek Mini Programming Language

I.   Text

Text data type primarily holds alphanumeric data, can be single or group of characters like letters, numbers, punctuations and spaces that are stored together as one. It should be enclosed in double quotes ("") for it to be accepted. The quote marks aren't printed when the string is displayed. If the programmer prefers printing the quotes, just place it right after the outside quotes.

Example:

Input	Output
"Snek is a mini programming language"	Snek is a mini programming language
"""Snek""	"Snek"

II.   Integral

Integral data type accepts values that are whole numbers, which are numbers not having any fractional component. It can be negative or positive. For positive, there is no need to specify its sign or else it will cause an error. But in the case of negative integers, a minus (-) sign should be placed immediately before the digit. For larger values, commas should not be used as it functions as a separator of values.

III.   Decimal

Decimal data type, unlike integral, it contains fractional component. Set of numbers should have period (.) in between them. Strictly, there are no spaces after or before the decimal point or it will display error.

IV.   Boolean

Boolean data type stores only two possible values such as "TRUE" or "FALSE" which is useful in conditional statements. Boolean type is primarily the result of conditional statements, which are used to control workflow in program