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In computer programming, a variable is an abstract storage location paired with an associated symbolic name, which contains some known or unknown quantity of data.

A basic Python curriculum can be broken down into 4 essential topics that include: Data types (int, float, strings) Compound data structures (lists, tuples, and dictionaries) Conditionals, loops, and functions. Object-oriented programming and using external libraries.

Rules for Python variables:

A variable name must start with a letter or the underscore character.

A variable name cannot start with a number.

A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and _)

Variable names are case-sensitive (age, Age and AGE are three different variables)

Python Keywords: An Introduction

Value Keywords: True, False, None.

Operator Keywords: and, or, not, in, is.

Control Flow Keywords: if, elif, else.

Iteration Keywords: for, while, break, continue, else.

Structure Keywords: def, class, with, as, pass, lambda.

Returning Keywords: return, yield.

Import Keywords: import, from, as.

In Python, variables that are only referenced inside a function are implicitly global. If a variable is assigned a value anywhere within the function's body, it's assumed to be local unless explicitly declared as global.