Data Types VS Data Structures

Data Types

Data types refer to the classification of data into various categories based on what type of values they can hold. In Python, data types define the kind of data that a variable can hold. Common data types include integers (int), floating-point numbers (float), strings (str), booleans (bool), lists, dictionaries, tuples and sets. Data types specify the nature of the values stored in variables and how they are represented in memory.

Data Structures

Data structures, on the other hand, are ways of organizing and storing data efficiently. They are used to store collections of data elements, and they define how data is organized, accessed, and manipulated. In Python, some common built-in data structures include lists (list), tuples (tuple), dictionaries (dictionaries), and sets (set). These data structures allow you to store and manage multiple pieces of data in different ways.