## 1.2-Datatypes

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## 1 DataTypes

## 1. Definition:

<class 'bool'>

False

- Data types are a classification of data which tell the compiler or interpreter how the programmer intends to use the data.
- They determine the type of operations that can be performed on the data, the values that the data can take, and the amount of memory needed to store the data.
- **2.** Importance of Data Types in Programming Explanation: Data types ensure that data is stored in an efficient way. They help in performing correct operations on data. Proper use of data types can prevent errors and bugs in the program.

```
[4]: # Interger data type
 age = 35
 print(type(age))
 # floating point datatype
 height = 23.4
 print(type(height))
 # string datatype
 name = "Uditya"
 print(type(name))
 # bool datatype
 is_null = False
 print(type(is_null))
 a = 10
 b = 23
 print(a==b)
<class 'int'>
<class 'float'>
<class 'str'>
```