Type → data types

← Primitive

Non Primitive
Classes, Linked List

Changing

Type Casting in Python → Changing the data type from one type to another

int
float
string
boolean

Type Casting is the method to convert the Python variable datatype into a certain data type in order to perform the required operation by users

Types of Type Casting in Python

1. Implicit Type Casting

2. Explicit Type Casting

Implicit Type Casting → Python Interpreter

In this, method, Python converts the datatype into another datatype automatically. Users don't have to involve in this process. The compiler converts smaller data types into larger data types to prevent any loss of data, for example, conversion of int to float.

$a \to 5$ $c = a + b$

$b \to 6 \cdot 2$ $= 11 \cdot 2$ and

Explicit Type Casting

In this method, Python needs user involvement to convert the variable data type into the required data type. You force a Python compiler to convert a data type into another.

interpreter

Implicit → Python Interpreter

Explicit → Programmers