

Title: What is Dynamic Typing?**Answer:**

JavaScript has dynamic data types, meaning that type checking is done at runtime rather than compile time. Python's data types are also dynamically typed.

With dynamically typed languages, a variable of the same name can be used to hold different data types.

For example, the variable `t`, defined as a variable by the `let` keyword (note that `let` keeps a given variable limited in scope), can be assigned to hold different data types, or can be initialized but left undefined:

```
let t;           // t is undefined
t = 16;          // t is a number
t = "bangalore"; // t is a string
t = true;        // t is a Boolean
```

Each of the variables `t` above can be set to any data type available in JavaScript; they do not need to be explicitly declared with a data type before they are used.

Tags: variables, javascript