



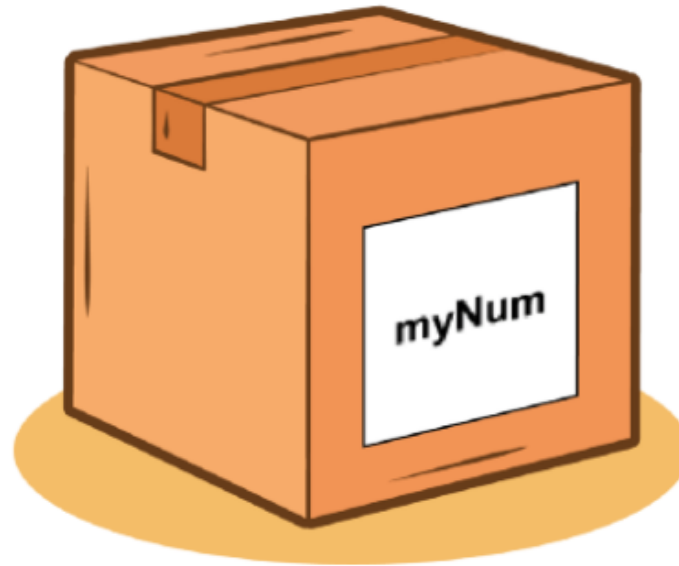
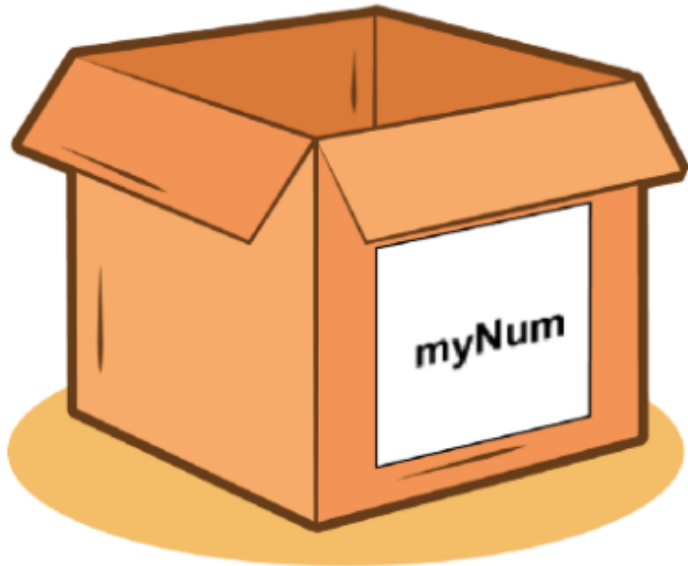
JS-VARIABLES- DATAYPES

ANECO ACADEMY

Variables in JS

- Variables are containers for storing data (values) that hold information and allow us access them later
- All JavaScript variables must be identified with unique names
- These unique names are called identifiers
- We will think of this as a box that has a label on it.

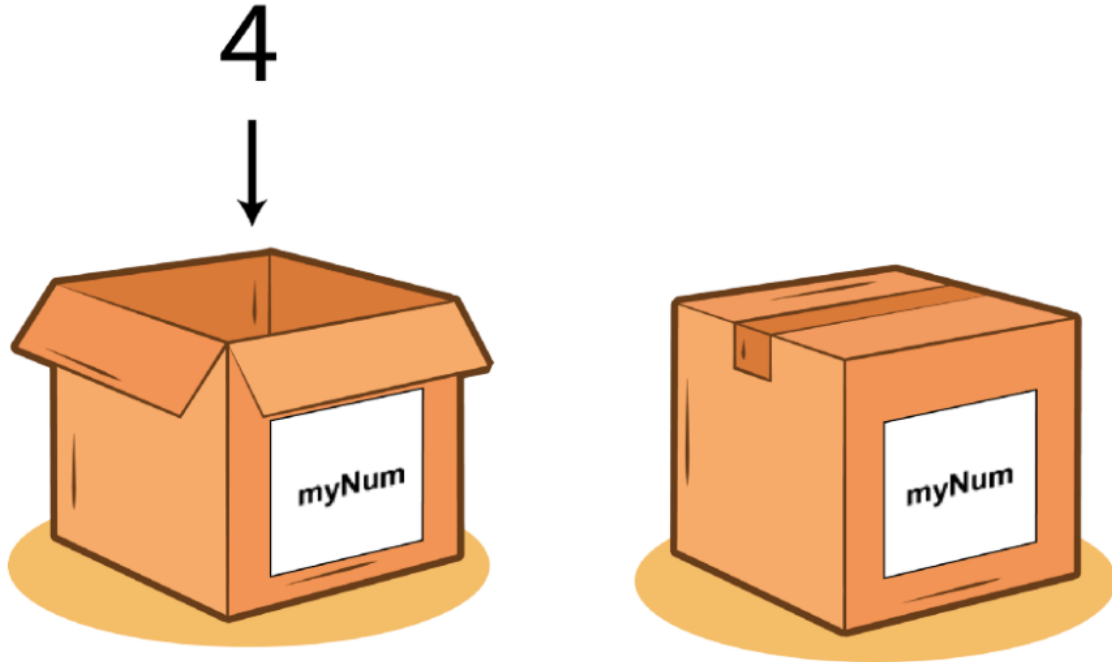
```
var myNum;
```



Variables in JS

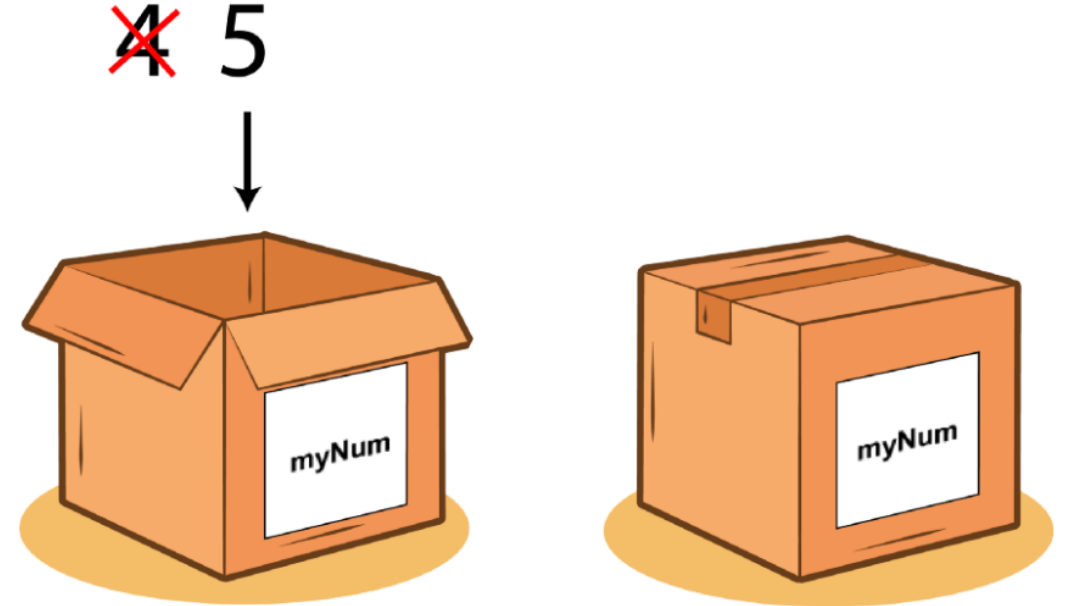
- We can visualise this a box that has a value added to it. Below we add 4 to myNum variable

```
var myNum = 4;
```



```
var myNum = 4  
myNum = 5
```

Changing variables after initialisation (reassignment)



Data Types in JS

- A data type specifies the type of data that a variable can store
- JavaScript provides different data types to hold different types of values

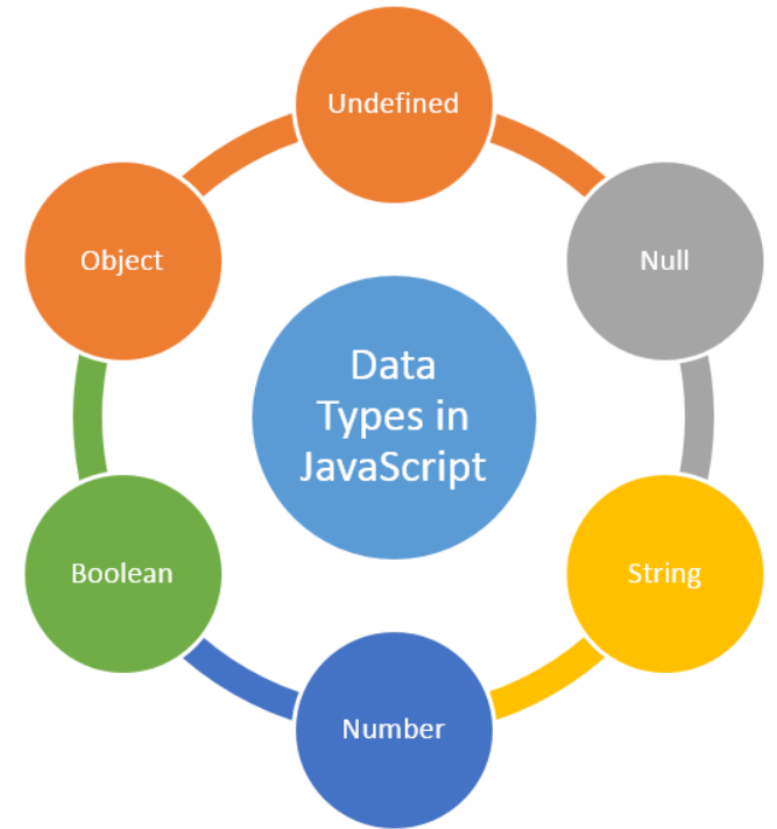
Two types of data types

1. Primitive data type
2. Non-primitive (reference) data type

JavaScript is a **dynamic type language**,

means you don't need to specify type of the variable

```
var a= 10; //holding number  
var b= "Ram"; //holding string
```



Primitive Data types

Data Type	Description
String	represents sequence of characters e.g. "hello"
Number	represents numeric values e.g. 100
Boolean	represents boolean value either false or true
Undefined	a data type whose variable is not initialized e.g. let a; you can say that undefined means lack of value or unknown value
Null	represents null i.e. no value at all

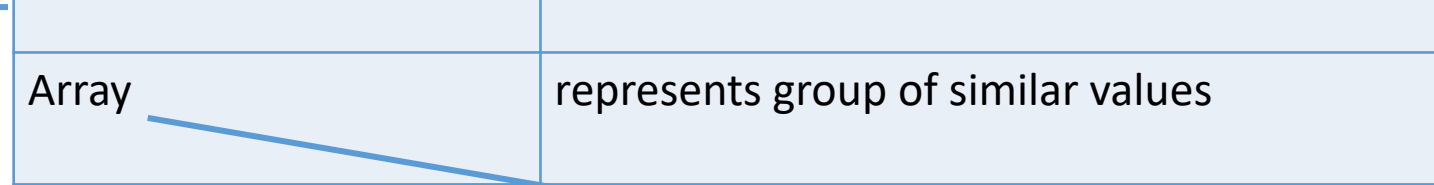
```
var b= "Ram"; //holding string
var a= 10; //holding number
Console.log(Boolean(10 > 9)) // boolean
var myVar = null;
```

Primitive Data types

- null and undefined are primitive values in JavaScript.
- A null value means absence.
- An undefined value means lack of value.
- A null or undefined value evaluates to false in conditional expression.

Non-Primitive Data types

Data Type	Description
Object	represents instance through which we can access members
Array	represents group of similar values



```
let person = {  
  firstName: 'John',  
  lastName: 'Doe'  
};
```

```
var stringArray = ["John", "Doe"];  
  
var numericArray = [1, 2, 3, 4];
```