

JS NUGGETS

Pass By VALUE Vs REFERENCE

PASS BY VALUE

In *Pass By Value*, value of the variables are passed as function arguments. Any changes done in the arguments do not affect the value of the variables passed from outside.

EXAMPLES 😊

```
function callByValue(name) {  
    name = 'Ideas2It';  
    console.log(name);  
}  
  
var name = 'JsNuggets';  
console.log(name); // JsNuggets  
callByValue(name); // Ideas2It  
console.log(name); // JsNuggets
```

Result:

The value of the variable `name` is not changed, because it is passed as value.

PASS BY REFERENCE

In **Pass By Reference**, reference/address of the variables are passed as function arguments. Changes done in the arguments affects the actual value of the variables passed from outside.

In Js **Objects** and **Arrays** are passed by Reference.

EXAMPLES 😊

```
function callByReference(object) {
  object.name = 'Ideas2It';
  console.log(object);
}

var object = { name : 'JsNuggets' };
console.log(object); // { name : 'JsNuggets' }
callByReference(object); // { name : 'Ideas2It' }
console.log(object); // { name : 'Ideas2It' }
```

Result:

Since objects are passed as reference, value of the property **name** is updated.