

# Conditional JavaScript – Checking Datatype

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Because the JS variables are loosely typed the Developer at certain points may need to check what the datatype of the value is ...

The tests include the following ...

isArray

isFunction

isFinite

isInteger

isNaN

typeof

## Conditional JavaScript – isArray

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This checks whether the variable is an Array ...

```
var value = ["A", "B"]
```

```
if (Array.isArray(value))
```

```
    document.write ( "The value is an Array")
```

## Conditional JavaScript – isFinite

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This checks whether the variable holds a legal number, therefore its the opposite of testing for NaN and Infinity...

```
var value = 12
```

```
if (Number.isFinite(value))
```

```
    document.write ( "The value is legal number")
```

## Conditional JavaScript – isInteger

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This checks whether the variable holds a legal number which has no decimal places ...

```
var value = 12
```

```
if (Number.isInteger(value))  
    document.write ( "The value is an Integer")
```

```
var value2 = 12.2323
```

```
if (!Number.isInteger(value2))  
    document.write ( "The value is not an Integer")
```

## Conditional JavaScript – Date.parse

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There is no `isDate` method, therefore the Developer can use the `parse` method, this will return a false if it is unable to check the validity (as a date) of a variable ...

```
var value = "a string"
```

```
if (!Date.parse(value))
```

```
    document.write ( "The value is not a Date")
```

## Conditional JavaScript – typeof

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The `typeof` method returns the type it detects in the condition, which can be tested or in our examples printed out ...

```
var value = "a string"  
document.write (typeof(value))
```

***string***

```
var value = 12.78  
document.write (typeof(value))
```

***number***

## Conditional JavaScript – typeof

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Doesn't work well for dates or arrays ...

```
var value = Date()  
document.write (typeof(value))
```

***string***

```
var value = ["A", "B", "C"]  
document.write (typeof(value))
```

***object***

## Conditional JavaScript – typeof

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```
var value = true  
document.write (typeof(value))
```

***boolean***

```
var value  
document.write (typeof(value))
```

***undefined***



## Conditional JavaScript – typeof

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Note how typeof reports a null ...

```
var value = null
```

```
document.write (typeof(value))
```

```
object
```