JavaScript Data Types

In JavaScript there are 5 different data types that can contain values:

* string
* number
* boolean
* object
* function

There are 3 types of objects:

* Object
* Date
* Array

And 2 data types that cannot contain values:

* null
* undefined

Regular Expression Modifiers

**Modifiers** can be used to perform case-insensitive more global searches:

|  |  |
| --- | --- |
| **Modifier** | **Description** |
| i | Perform case-insensitive matching |
| g | Perform a global match (find all matches rather than stopping after the first match) |
| m | Perform multiline matching |

Regular Expression Patterns

**Brackets** are used to find a range of characters:

|  |  |
| --- | --- |
| **Expression** | **Description** |
| [abc] | Find any of the characters between the brackets |
| [0-9] | Find any of the digits between the brackets |
| (x|y) | Find any of the alternatives separated with | |

**Metacharacters** are characters with a special meaning:

|  |  |
| --- | --- |
| **Metacharacter** | **Description** |
| \d | Find a digit |
| \s | Find a whitespace character |
| \b | Find a match at the beginning or at the end of a word |
| \uxxxx | Find the Unicode character specified by the hexadecimal number xxxx |

**Quantifiers** define quantities:

|  |  |
| --- | --- |
| **Quantifier** | **Description** |
| n+ | Matches any string that contains at least one *n* |
| n\* | Matches any string that contains zero or more occurrences of *n* |
| n? | Matches any string that contains zero or one occurrences of *n* |