



Special Functions/Methods

- Aditya Kumar
Chief Technology Officer, edwisor.com

We will start with the following concepts

- 1) Strings Methods
- 2) Number Methods
- 3) Array Methods
- 4) Date Methods

Javascript language provides some in-built special functions on Data types to make your life easier

- You have already seen a few examples like String length, array length etc.
- Javascript has a rich set of in-built functions to carry out tasks that are much necessary for day-to-day functioning. It's like defining difficult words in a language so that expressing them becomes easy.
- Let's go through the list of some important functions associated with various data types one by one
- Its suboptimal to cover all the methods of all the data types, so instead I have prepared notes for you which are available to you as an attachment to this video

String data types provides a lot of important methods and properties as well.

- Find the length of the String - `string.length` property
- Finding a string inside a string - `indexOf`
- Extracting parts of the string - `substr` or `slice`
- Replace a part of the string - `replace`
- Changing upper case and lower case - `toUpperCase`, `toLowerCase`
- Merging two strings - `concat`
- Converting a String to Array - `split`

Number data type has a few handy methods

- Convert Number to String - `toString()`
- Get numeric Value - `valueOf()`
- Convert variables to Numbers- `Number()`

Array methods are really important to remember!

- Convert array to string - `toString()`
- Pop and Push - `pop()`, `push()`
- Removing the first element - `shift()`
- Add new element at beginning - `unshift()`
- Changing element at an Index - its a simple assignment
- Deleting elements at an Index
- Merging two arrays

Date methods are the most complete ones!

Method	Description
getDate()	Get the day as a number (1-31)
getDay()	Get the weekday as a number (0-6)
getFullYear()	Get the four digit year (yyyy)
getHours()	Get the hour (0-23)
getMilliseconds()	Get the milliseconds (0-999)
getMinutes()	Get the minutes (0-59)
getMonth()	Get the month (0-11)
getSeconds()	Get the seconds (0-59)
getTime()	Get the time (milliseconds since January 1, 1970)

The next steps are ...

- JSON