JavaScript Format Date to MM/DD/YYYY
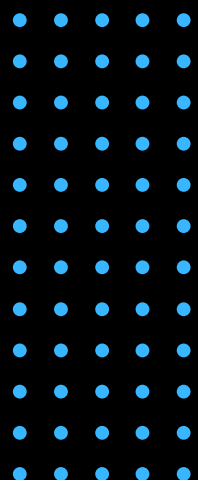
Swipe

JavaScript Date() methods

Here is Date object methods

Method	Description
getFullYear()	Returns the year as a four-digit number, such as 2024
getMonth()	Returns the month as a zero-based number, from 0 (January) to 11 (December)
getDate()	Returns the day of the month as a number, from 1 to 31
getHours()	Returns the hour as a number, from 0 to 23
getMinutes()	Returns the minute as a number, from 0 to 59
getSeconds()	Returns the second as a number, from 0 to 59
getMilliseconds()	Returns the millisecond as a number, from 0 to 999

Format date to
MM/DD/YYYY

Format current date to MM/DD/YYYY using string interpolation.

```javascript
let date = new Date();
let year = date.getFullYear();
let month = date.getMonth();
let day = date.getDate();

let formattedDate = `${month + 1}/${day}/${year}`;
let formattedTime = `${hour}:${minute}:${second}`;
let formattedDateTime = `${formattedDate} ${formattedTime}`;
console.log(formattedDate);
// Output: 01/21/2024
```

Note: *Month index starts from 0, so you have to add +1*

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Format date using Moment.js

<u>Moment.js.</u> is a powerful library that lets you do anything you want with dates and times

```javascript
let momentDate = new Date()

// Returns the date in MM/DD/YYYY format
let formattedDate = momentDate.format("MM/DD/YYYY");
console.log(formattedDate);
// Output 01/21/2024
```

Validate MM/DD/YYYY format date

To check if a date string is valid, you can use the isNaN() function. It will returns true if the value is NaN and false otherwise.

```javascript
// A valid date string in MM/DD/YYYY format
let validDate = "01/21/2024";

// An invalid date string in MM/DD/YYYY format
let invalidDate = "13/21/2024";

console.log(!isNaN(Date.parse(validDate)));
// Output: true

console.log(!isNaN(Date.parse(invalidDate)));
// Output: false
```

Validate MM/DD/YYYY format date using RegEx

To check if a date string is valid, you can use the isNaN() function, which returns true if the value is NaN and false otherwise.

```javascript
let pattern = /^(0[1-9]|1[0-2])\/(0[1-9]|[1-2][0-9]|3[0-1])\/([0-9]{4})$/;

// A valid date string in MM/DD/YYYY format
let validDate = "01/21/2024";

// An invalid date string in MM/DD/YYYY format
let invalidDate = "13/21/2024";

console.log(pattern.test(validDate));
// Output: true

console.log(pattern.test(invalidDate));
// Output: false
```

Set Custom Date to MM/DD/YYYY

You can create any date you want in JavaScript with the new Date() constructor. It lets you choose the year, month, day, hour, minute, second, and millisecond of your date.

```javascript
let customDate = new Date(2024, 0, 21, 10, 18, 37, 0);
let customYear = customDate.getFullYear();
let customMonth = customDate.getMonth();
let customDay = customDate.getDate();
let formattedCustomDate = `${customMonth + 1}/${customDay}/${customYear}`;
console.log(formattedCustomDate)
// Output: 1/21/2024
```

Thank you!

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