

JavaScript Specifying Date and Time Notes

Overview

- Create and manipulate specific dates and times using the `Date` object.

Key Concepts

- **Specifying a Date:**
 - Create: `var doomsday = new Date("June 30, 2035");`.
 - Format: Month spelled out, day, 4-digit year (e.g., "June 30, 2035").
- **Specifying Date and Time:**
 - Include time (24-hour): `var d = new Date("July 21, 1983 13:25:00");`.
 - Format: No comma after date, colons for hours:minutes:seconds.
- **Calculating Days Between Dates:**
 - Get milliseconds since Jan 1, 1970: `getTime()`.
 - Subtract: `var msDiff = doomsday.getTime() - today.getTime();`.
 - Convert to days: `var days = msDiff / (1000 * 60 * 60 * 24);`.
 - Round down: `var daysTillDoom = Math.floor(days);`.
- **Example (Condensed):**

```
var msDiff = new Date("June 30, 2035").getTime() - new
    Date().getTime();
var daysTillDoom = Math.floor(msDiff / (1000 * 60 * 60 *
    24));
```