

JavaScript Date and Time Notes

Overview

- Retrieve and manipulate current date and time using the `Date` object.

Key Concepts

- **Current Date and Time:**
 - Create: `var rightNow = new Date();`.
 - Contains: day of week, month, date, year, hours (24-hour), minutes, seconds, GMT offset, time zone.
 - Depends on user's computer settings (e.g., incorrect if time zone not updated).
- **Not a String:**
 - `Date` object isn't a string; can't use string methods (`charAt`, `indexOf`, `slice`).
 - Convert to string: `var dateString = rightNow.toString();`.
- **Extracting Day of Week:**
 - Use `getDay()`: Returns day as number (0 = Sunday, 6 = Saturday).
 - Example: `var theDay = rightNow.getDay();`.
 - Convert to name using array:

```
var dayNames = ["Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat"];
var now = new Date();
var theDay = now.getDay();
var nameOfToday = dayNames[theDay];
```