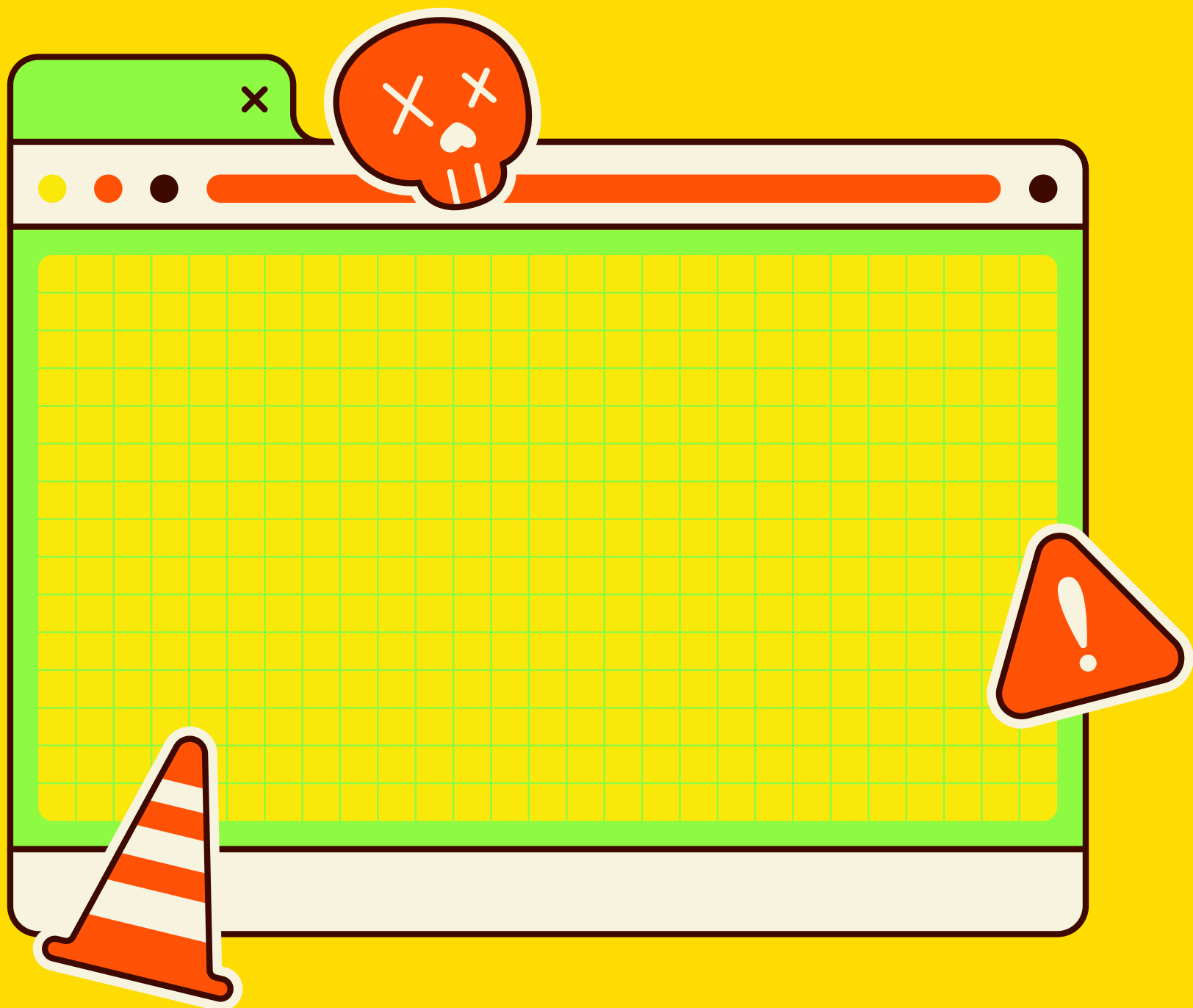


Console Functions



in JavaScript

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console.log()

- The most common method for displaying messages and variables.

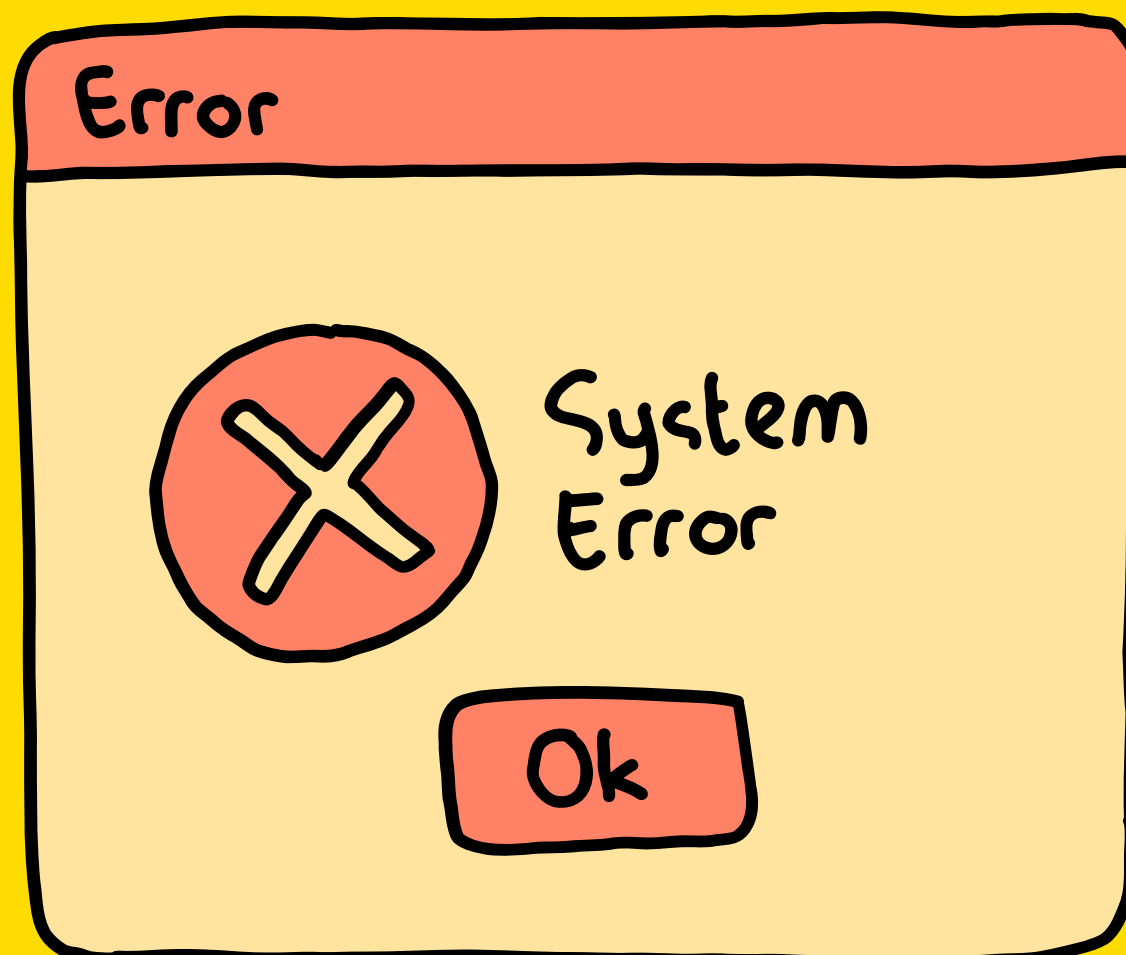
```
JS  
  
console.log("Hello, World!");  
// Outputs: Hello, World!
```



console.error()

- Outputs an error message to the console. Useful for indicating issues or errors in the code.

```
console.error("This is an error message");  
// Outputs: This is an error message  
// (styled as an error)
```



console.warn()

- Displays a warning message. Great for highlighting potential issues that aren't errors.

```
JS  
  
console.warn("This is a warning message");  
// Outputs: This is a warning message  
// (styled as a warning)
```



console.table()

- Displays tabular data as a table. Ideal for visualizing arrays or objects in a structured format.

```
JS

const users = [
  { name: "Alice", age: 30 },
  { name: "Bob", age: 25 },
];
console.table(users);
// Outputs a table with user details
```



console.dir()

- Displays an interactive list of the properties of the specified JavaScript object.
- Useful for inspecting objects in detail.

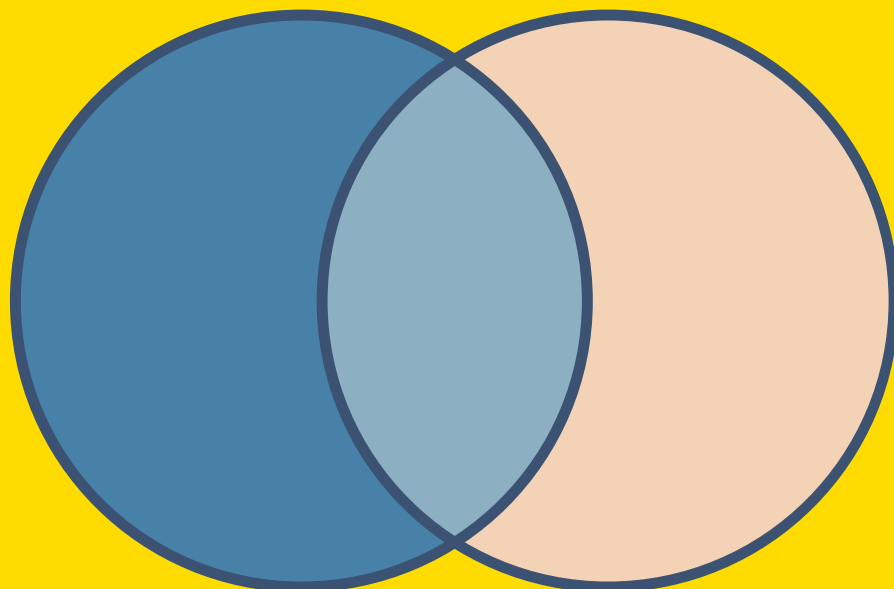
```
const obj = { name: "Alice", age: 30,  
  address: { city: "Wonderland" } };  
console.dir(obj);  
// Outputs: an expandable view of the object
```



`console.group()` / `console.groupEnd()`

- Groups together console outputs, making it easier to organize and read related logs.

```
console.group("User Details");  
console.log("Name: Alice");  
console.log("Age: 30");  
console.groupEnd();
```



console.time() / console.timeEnd()

- Starts and stops a timer, useful for tracking how long a process takes.

```
console.time("Data processing");  
// Simulate data processing  
console.timeEnd("Data processing");  
// Outputs: Data processing: Xms
```



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