**Q&A Conversation**

**Q: How can I write javascript code that makes decisions?**

A: JavaScript offers two common ways to make decisions in your code:

1. **Using if statements:** This is the fundamental approach for conditional execution. The if statement checks a condition and executes code only if the condition is true.
2. **Using switch statements:** This is useful when you have multiple possible conditions to check based on a single value.

**Q: What are valid conditions?**

A: Valid conditions in JavaScript are expressions that evaluate to either true or false. These expressions can involve:

* Values: Numbers, strings, booleans, etc.
* Comparisons: Operators like ==, ===, <, etc. to compare values.
* Logical Operators: && (AND), || (OR), ! (NOT) to combine conditions.
* Variable References: Variables holding truthy or falsy values.

**Q: How can I respond to events from the browser with javascript?**

A: Javascript utilizes **event listeners** to react to user interactions and browser events. Here's the process:

1. Identify the target element (button, form, etc.) where you want to listen for the event.
2. Choose the event type (click, hover, submit, etc.).
3. Attach the event listener using the addEventListener method. This method takes the element, event type, and a function to execute as arguments. The function receives an **event object** with details about the event.

**Q: Can you give me different code examples?**

A: Absolutely! Here are some examples of using event listeners for different functionalities:

* Changing element style on hover
* Submitting a form
* Key press events
* Window resize event
* Image preloading
* Toggle content visibility
* Playing/pausing audio/video
* Form validation