

# Advanced Web Lab (Websockets)

## Explore and Observe

Use the Console to observe how the `readyState` property changes during each stage of a WebSocket connection.

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### Before Opening the Connection

Open the Console and type:  
`socket.readyState`

**1. What number do you see? What does that value represent in the WebSocket lifecycle?**

**Answer:** there was no number, I got an error

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### Immediately After Clicking “Open Connection”

Type again:  
`socket.readyState`

**2. What value do you see now? Which constant does it match (CONNECTING, OPEN, CLOSING, or CLOSED)?**

**Answer:** I got a number of 0, assuming that is for connecting.

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### When the “Status: Connected ” Appears

Check `socket.readyState` again.

**3. What value is displayed? What does that tell you about the connection’s ability to send and receive data?**

**Answer:** constant of 1 for connected/open.

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## While the Connection Is Still Open

Type several messages using the Send button.

**4. Does `socket.readyState` change during normal message exchange? Why or why not?**

**Answer:** It does not change

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## After Clicking “Close Connection”

Check `socket.readyState` immediately after you click Close.

**5. What value do you see while the connection is shutting down? What value do you see a few seconds later, after it fully closes?**

**Answer:** There are two different numbers, there is a 2 (when the connection is closing), and a constant of 3 after it has closed.