How I Solved It:

1. **Getting the Current Time:**

   o **First off, I used JavaScript's Date() object to get the current time. With new Date().getHours(), I snagged the hour of the day. This gives you a number from 0 to 23, where 0 is midnight and 23 is 11 PM.**

2. **Setting Up the Greeting:**

   o **Based on the hour, I set up some simple checks:**

      ▪ **If it's before 12 (so, 0 to 11), it's morning, and I return "Good morning."**

      ▪ **If it's between 12 and 17 (so, 12 to 5 PM), it's afternoon, so I return "Good afternoon."**

      ▪ **For anything from 18 to 23 (6 PM onwards), it's evening, and I go with "Good evening."**

Problems I Faced:

- **Understanding getHours():**

   o **The only tricky bit was remembering that getHours() uses a 24-hour clock. So, 14 is 2 PM, not 2 AM. I had to make sure my time ranges for morning, afternoon, and evening were set up correctly based on this.**

- **Edge Cases:**

   o **Another small challenge was thinking about edge cases, like exactly at the boundary between morning and afternoon. But with simple if-else checks, this wasn't too hard to handle.**