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charAt returns a specified index in a string. charAt gets a single character whereas substring allows for getting a range of characters.

If left and right are equal, left is incremented by 1 and right is decremented by 1.

```
1 //TASK 8 PART 1
2
3 function isPalindrome(word) {
4   let left = 0;
5   let right = word.length - 1;
6
7   while (left <= right) {
8     if (word.charAt(left) !== word.charAt(right)) {
9       return false;
10    }
11    left++;
12    right--;
13  }
14  return true;
15 }
16
17 // Get the word from the user
18 let word = prompt("Please enter a word to check if it is a palindrome:");
19
20 // Check if the word is a palindrome
21 let result = isPalindrome(word);
22
23 // Print the result
24 if (result) {
25   console.log(`${word} is a palindrome.`);
26 } else {
27   console.log(`${word} is not a palindrome.`);
28 }
```

Prompts user to enter a word, stores it in the variable / argument 'word'. It calls the palindrome function on word and stores the result in the 'result' variable.

Left and right represents the indices of the characters.

The length of a string is 1 more than the highest index / character. If -1 wasn't there you would get an out-of-bounds error because there is no character at the end e.g. "Hello, World!" There are 12 characters in the string however the length is 13.

If 'result' is true it prints...

If result is false it prints...