

Working with variables

Learn how to harness `console.log` to output our code so we can see what's going on. Learn more about using and copying variables.

We'll cover the following



- Printing
- Reassigning Variables
- Assigning Using Variables
- Quiz

Printing#

To print something out, we use something called `console.log()`. We write that phrase with either a value or a variable name inside the parentheses. We see that item being printed out when we run our code. This is a very valuable tool as it lets us see what our code is doing.

```
1 let bool = true;
2 let string = 'abc';
3
4 console.log('Hello!'); // -> Hello!
5 console.log(false); // -> false
6 console.log(bool); // -> true
7 console.log(string); // -> abc
```



Reassigning Variables#

We can give a variable a new value if we like.



```
let variable = 'abc';  
console.log(variable); // -> abc  
  
variable = 25;  
console.log(variable); // -> 25  
  
variable = false;  
console.log(variable); // -> false
```



Note that we don't use the `let` keyword again. We use it once the first time we create a variable and then we can reassign values without it.

If we use `let` again, we'll get an error.

```
let variable = 'abc';  
console.log(variable);  
  
let variable = 25; // -> Compilation Error  
console.log(variable);  
  
let variable = false;  
console.log(variable);
```



Assigning Using Variables#

We can copy the value of a variable into another variable using `=`.

```
let variable = 'abc';  
let variableCopy = variable;  
console.log(variableCopy); // -> abc
```



Once we copy a variable, the new variable is distinct from the old one. They have no relation to each other. If we change one, the other remains unchanged.



```
let variable = 'abc';  
let variableCopy = variable;  
variable = 'def';  
  
console.log(variable); // -> def  
console.log(variableCopy); // -> abc
```



Now we know how to reassign variables and have seen how they work when we run our code.

Quiz#

Feel free to test your understanding.

1 What will this code print?

```
let variable = 'abc';  
let variableCopy = variable;  
variableCopy = 'def';  
variable = variableCopy;  
console.log(variable);
```



A) variable



B) variableCopy



C) abc



D) def



E) error



Submit Answer



Question 1 of 2
0 attempted



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Null & Undefined



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