

Truthy and Falsy

Every value in JavaScript has an inherent boolean value. When that value is evaluated in the context of a boolean expression, the value will be transformed into that inherent boolean value.

The paragraph above is pretty dense with information. You should probably re-read it again! 📖

Falsy values

A value is **falsy** if it converts to **false** when evaluated in a boolean context. For example, an empty String **""** is falsy because, **""** evaluates to **false**. You already know if...else statements, so let's use them to test the truthy-ness of **""**.

```
if ( "") {
  console.log("the value is truthy");
} else {
  console.log("the value is falsy");
}
```

Returns: "the value is falsy"

Here's *the* list of all of the falsy values:

- 1. the Boolean value **false**
- 2. the **null** type
- 3. the **undefined** type
- 4. the number **0**
- 5. the empty string **""**
- 6. the odd value **NaN** (stands for "not a number", check out the **NaN MDN article**)

That's right, there are only *six* falsy values in all of JavaScript!

Truthy values

A value is **truthy** if it converts to **true** when evaluated in a boolean context. For example, the number **1** is truthy because, **1** evaluates to **true**. Let's use an if...else statement again to test this out:

```
if (1) {
  console.log("the value is truthy");
} else {
  console.log("the value is falsy");
}
```

Returns: "the value is truthy"

Here are some other examples of truthy values:

```
true
42
"pizza"
"0"
>null
"undefined"
{}
[]
```

Essentially, if it's not in the list of falsy values, then it's truthy!

QUIZ QUESTION

Select the truthy values from the list of values.

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Lesson 3:
Conditionals

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✓ 1. Intro to Conditionals

✓ 2. Quiz: Flowcharts (3-1)

✓ 3. Flowchart to Code

✓ 4. If...Else Statements

✓ 5. Else If Statements

✓ 6. Quiz: Even or Odd (3-2)

✓ 7. Quiz: Musical Groups (3-3)

✓ 8. Quiz: Murder Mystery (3-4)

✓ 9. More Complex Problems

✓ 10. Logical Operators

✓ 11. Logical AND and OR

✓ 12. Quiz: Checking your Balance (3-5)

✓ 13. Quiz: Ice Cream (3-6)

✓ 14. Quiz: What do I Wear? (3-7)

✓ 15. Advanced Conditionals

✓ 16. Truthy and Falsy

✓ 17. Ternary Operator

● 18. Quiz: Navigating the Food Chain (3-8)

● 19. Switch Statement

● 20. Falling-through

● 21. Quiz: Back to School (3-9)

● 22. Lesson 3 Summary

Mentorship

Get support and stay on track

Truthy and Falsy

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