Super Lab

- Due No Due Date
- Points 1
- Submitting a website url

[⬤](https://github.com/learn-co-curriculum/phase-1-super-lab) **[(https://github.com/learn-co-curriculum/phase-1-super-lab)](https://github.com/learn-co-curriculum/phase-1-super-lab)** [⚑](https://github.com/learn-co-curriculum/phase-1-super-lab/issues/new) **[(https://github.com/learn-co-curriculum/phase-1-super-lab/issues/new)](https://github.com/learn-co-curriculum/phase-1-super-lab/issues/new)**

Learning Goals

- Practice using `super` to extend child class functionality

Introduction

In this lab we're going to practice the two most common usages of the `super` keyword.

Instructions

Define a `Tree` class that will act as our parent:

- A `Tree` instance should take in one parameter when created, `species`, and assign this to a property named `species`.
- A `Tree` should have a static method, `definition()`, that returns a short definition of all trees:

```
A tree is a perennial plant with an elongated stem, or trunk, supporting branches and leaves.
```

Define a `Deciduous` class that extends `Tree`:

- A `Deciduous` instance takes two parameters, `species` and `name`. Use `super()` in the constructor to use the parent class constructor to assign `species`. After `super()`, assign the `name` parameter to the a `name` property in the `Deciduous` constructor
- Create a static method, `definition()`, that uses `super` to access `definition()` from `Tree` and add the following to the provide a specific definition for `Deciduous`:

```
Deciduous trees shed their leaves annually.
```

Define a `Evergreen` class that extends `Tree`:

- An `Evergreen` instance takes two parameters, `species` and `name`. Use `super()` in the constructor to use the parent class constructor to assign `species`, then assign `name` to a property in the `Evergreen` constructor
- Create a static method, `definition()`, that uses `super` to access `definition()` from `Tree` and add the following to the provide a specific definition for `Evergreen`:

```
Evergreens keep their leaves all year round.
```

Resources

- **Static Methods** ⤷ **(https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Classes/static#Examples)**
- **"Super" and "Extends" In JavaScript ES6 - Understanding The Tough Parts** ⤷ **(https://medium.com/beginners-guide-to-mobile-web-development/super-and-extends-in-javascript-es6-understanding-the-tough-parts-6120372d3420)**