

# Intro #4: Functions

Functions, scope, Promises, Sounds

**TODO:** consider `forever().then()` ?

- functions, scope
- Promises
- sounds [TODO!]

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## Console

- define a `square()` function.
- terms: call, arguments

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## Scope

- define a `tree()` function.
- Every function gets its own set of variables.
- `forever`; `grow`, perhaps?
- each call to `tree()` gets its own instance of the variables inside `tree`.

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## Sounds

- `init` is really a Promise.
- `.then` means “do something after the Promise finishes.”
- we can play Sounds...
- ...and wait until they're done.

