

# 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.

