Libraries and Modules

Modules

- Module ≜ namespace (collection) of method
- Not a class
- Can mix method into a class
- eg: `Enumerable`
    - Provides most collection operations including `each`
- eg: `Comparable` enables `<=>` and `sort`
- Ensure you read documentation for implementation
- Defined for a class using `include`

Gems

- Gem ≜ ruby library
- Used with `require` at the top of a file
- Bundler solves "library hell"
    - Every project has a `Gemfile` and a `Gemfile.lock`
    - `Gemfile` defines libraries and versions needed for a file
    - `Gemfile.lock` should be versioned with project

Semantic Versioning (semver)

- Version A.B.C
    - C ≜ patch / backwards-compatible
    - B ≜ minor backwards-compatible new functionality
    - A ≜ major 'breaking changes' in API

Ruby Blocks

- Iterators define `each` which yields the value with `yield`
- The value yielded is what will be the variable defined in the block

Coding Notes

- `attr_reader` only provides a get and not a set
- Can also use `self` instead of `@`
- `send` will send a value to a method