



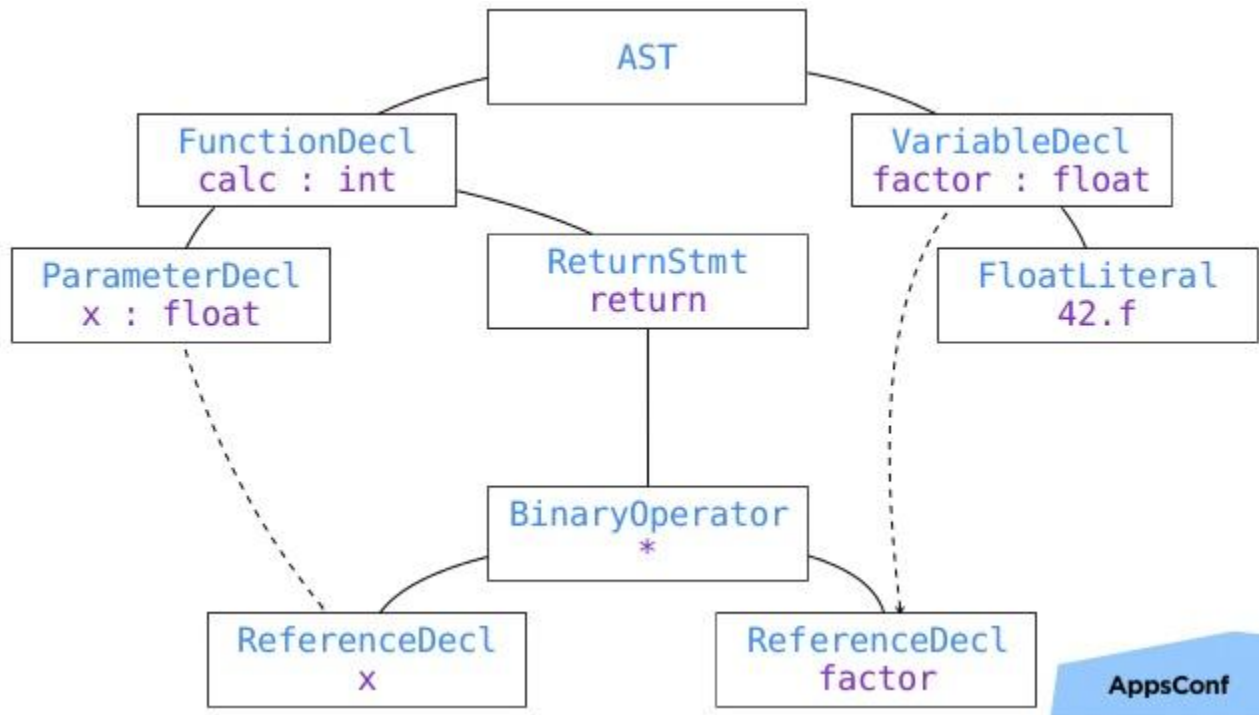
Sweeter Swift Phase 2

Jason

Growth Session #25 - XXV - June 20-21 2019

Create a Swift code formatter
powered by SwiftSyntax

Abstract Syntax Tree



What does a code formatter do?

Load AST

Read and parse code

Apply Rules

Transverse AST and
apply rules

Write Output

Write output to the
same or different file. If
needed just print to
standard output

What a code formatter do:

Remove developer's flavor on formatting code

SwiftSyntax

First-party Swift code parser

Actually using part of the code included in Swift

What I want to achieve in this session

1. Create project
2. Add a rule
3. Setup CI/CD

Achievement and Progress

Created GitHub repo for sweeter

The screenshot shows the GitHub interface for a repository named 'Sweeter' by user 'sweeterswift'. The repository has 1 star and 0 forks. The 'Code' tab is selected, showing the repository description: 'Swift code formatter powered by SwiftSyntax.' Below this, there are tags for 'swift', 'code-formatter', 'swift-syntax', and a link to 'Manage topics'. The repository statistics show 3 commits, 2 branches, 1 release, 1 contributor, and the MIT license. A bar at the top indicates the current branch is 'master' and provides options to 'New pull request', 'Create new file', 'Upload files', 'Find File', and 'Clone or download'. The commit history table lists the following files and their commit details:

File	Commit Message	Time Ago
Sources	Initial commit	33 minutes ago
Tests	Initial commit	33 minutes ago
.gitignore	Initial commit	33 minutes ago
.travis.yml	Initial commit	33 minutes ago
CHANGELOG.md	Add CHANGELOG.md	21 minutes ago
LICENSE	Initial commit	33 minutes ago
Package.resolved	Initial commit	33 minutes ago
Package.swift	Initial commit	33 minutes ago
README.md	Initial commit	33 minutes ago

Achievement and Progress

Added a rule for formatting
the equal token

File.swift



```
let hello = "world"
```

Achievement and Progress

Execute sweeter



```
sweeter File.swift
```

Achievement and Progress

File.swift



```
let hello = "world"
```

Conclusion

Computer don't even look at formatting
and even call it trivia

Put things in the right place



One rule rules the world!

Thanks!

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