CSC 453 Milestone 6 (Build AST)

Goal:

This milestone is to build an AST for a syntactically correct Tau program.

Specifications

The Tau language specification is a separate document.

The AST nodes are defined in `asts.py`.

Editting your `parse.py`

You created a recursive descent parser in the previous milestone. You will now modify your parser to build an AST.

When completed, the `Parser.parse()` method will return an AST. It will return the root of the AST, which will have the type `asts.Program`.

`tau/asts.py`

You will be given `asts.py`. DO NOT MODIFY THIS FILE. You will use the classes defined in this file to build your AST.

Notes

The Tau language specification is intentionally vague. Feel free to publically discuss the language specification on Piazza. If you have questions, please ask.

Also, `asts.py` has scant comments. Look at the initializers to understand them.

Difficulty

Your grammar may not be the same as my grammar. That's OK. The goal is to get a working parser.

That said, grammar writing can be tricky. Start early and ask questions.

Standard Requirements

Your program must meet all the requirements outlined in the common requirements document.