

INPUT : Python source code in a file.

Using library ast and astpp for **conversion of python source code into AST of python.**

Python AST

Script 1

1. Tracking information flow in program.

Parsing function:

- (a) Searches for keywords in AST and call functions related to parsed keyword.
- (b) Extract variables involved in condition of conditionals then extracts body part of “if else” and “while”.
- c) Extracted body code handled recursively by same procedure.
- (d) If target (destination) of information flow found like target of assignment.

2. Generation of required constraints for information flow.

OUTPUT: All required constraints in a file.