Python AST by example

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Abstract Syntax Tree

```
import sys
from curses import wrapper
from pathlib import Path
                                                                                                                                                                                  01001
import curses
import black
                                                                                                                                                                                  10011
                                                                                                                                       Compile
def print_text(stdscr, line=0):
                                                           Parse
   x, y = stdscr.getmaxyx()
   stdscr.clear()
   data_str = black.format_str(text, y-1)
                                                                                                                                                                                   . . .
   for i, line in enumerate(data_str.split("\n")[line:]):
      if i == x - 1:
         break
      stdscr.addstr(i, 0, line.rstrip("\n")[:y])
         Source Code
                                                                                                       AST
                                                                                                                                                                                Bytecode
```

Abstract Grammar

https://docs.python.org/3/library/ast.html#abstract-grammar

Demo