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# **pprintast Documentation**

***Release 1.2.1***

**Travis Clarke**

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Version 1.2.1 **An AST (abstract syntax tree) pretty printer for Python .**



# CHAPTER 1

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## Installation

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```
$ pip install pprintast
```



## CHAPTER 2

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### Usage

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```
usage: pprintast.py [-h] [-a] [-c cmd] [-m mode] [-t] [-v] [file]

A pretty-printing dump function for the ast module. The code was copied from the ast.
↳dump function
and modified slightly to pretty-print.

positional arguments:
  file                program passed in as file

optional arguments:
  -h, --help          show this help message and exit
  -a, --attributes    include attributes such as line numbers and column offsets
  -c cmd, --command cmd program passed in as string
  -m mode, --mode mode compilation mode (choices: exec, eval, single) (default: _
↳exec)
  -t, --terse         terse output by disabling field annotations
  -v, --version       show program's version number and exit
```

### 2.1 Script

Pretty print AST from a **file** using the pprintast CLI.

```
$ pprintast "./path/to/script.py"
```

Pretty print AST from a **string** using the pprintast CLI.

```
$ pprintast -c "lambda a: a**2"
```

## 2.2 Module

Pretty print AST from a **string** using the pprintast module.

```
# 1. import the "pprintast" function.  
from pprintast import pprintast as ppast # OR: from pprintast import ppast  
  
# 2. pretty print AST from a "string".  
exp = "lambda a: a**2"  
  
ppast(exp)
```

```
Module(body=[  
  Expr(value=Lambda(args=arguments(args=[  
    arg(arg='a', annotation=None),  
  ], vararg=None, kwonlyargs=[], kw_defaults=[], kwarg=None, defaults=[]), body=BinOp(left=Name(id='a', ctx=Load()), op=Pow(), right=Num(n=2)))),  
)
```

## CHAPTER 3

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License

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