

# Full Grammar specification

This is the full Python grammar, derived directly from the grammar used to generate the CPython parser (see [source: 'Grammar/python.gram'](#)). The version here omits details related to code generation and error recovery.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\reference\cpython-main) (Doc) (reference) grammar.rst, line 4); [backlink](#)

Unknown interpreted text role "source".

The notation is a mixture of [EBNF](#) and [PEG](#). In particular, `&` followed by a symbol, token or parenthesized group indicates a positive lookahead (i.e., is required to match but not consumed), while `!` indicates a negative lookahead (i.e., is required `_not_` to match). We use the `|` separator to mean PEG's "ordered choice" (written as `/` in traditional PEG grammars). See [PEP 617](#) for more details on the grammar's syntax.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\reference\cpython-main) (Doc) (reference) grammar.rst, line 19)

Unknown directive type "literalinclude".

```
.. literalinclude:: ../../Grammar/python.gram
   :language: peg
```