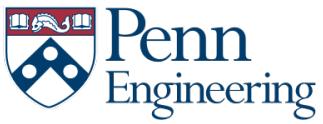


Python Errors

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Python Errors

Common Error Types

Here are some common types of errors in Python

- **SyntaxError**: the syntax (or structure) of the code is incorrect
- **IndentationError**: the indentation (or spacing) of the code is incorrect
- **EOFError**: end of file error, caused by reaching the end of an input stream
- **AssertionError**: assert statement fails, e.g., when asserting that two values are equal to (or not equal to) another value in a unit testing method
- **ValueError**: a function receives an argument with an inappropriate type or value
- **NameError**: use of a variable or function name that is not valid

Ref:

- <https://docs.python.org/3/tutorial/errors.html>
- <https://docs.python.org/3/library/exceptions.html>

Common Error Types

Here are some common types of errors in Python

- `TypeError`: an operation or function is applied to a value with an invalid type.
- `IndexError`: an index is out of range in a sequence, e.g., a list or tuple.
- `KeyError`: a key is not found in a dictionary.
- `KeyboardInterrupt`: execution of code is interrupted by the user pressing `Ctrl+C`.
- `MemoryError`: an operation runs out of memory.
- `ZeroDivisionError`: division (or modulo operation) by zero

Ref:

- <https://docs.python.org/3/tutorial/errors.html>
- <https://docs.python.org/3/library/exceptions.html>