

PYTHON EXCEPTIONS

CHEAT SHEET

BUILT-IN PYTHON EXCEPTIONS

<code>AssertionError</code>	Raised when <code>assert</code> statement fails
<code>AttributeError</code>	Raised when attribute assignment or reference fails
<code>EOFError</code>	Raised when the <code>input()</code> function hits end-of-file condition
<code>FloatingPointError</code>	Raised when a floating point operation fails
<code>GeneratorExit</code>	Raised when a generator's <code>close()</code> method is called
<code>ImportError</code>	Raised when the imported module is not found
<code>IndexError</code>	Raised when index of a sequence is out of range
<code>KeyError</code>	Raised when a key is not found in a dictionary
<code>KeyboardInterrupt</code>	Raised when the user hits interrupt key (<code>CTRL+C</code> or <code>Delete</code>)
<code>MemoryError</code>	Raised when an operation runs out of memory
<code>NameError</code>	Raised when a variable is not found in local or global scope
<code>NotImplementedError</code>	Raised by abstract methods
<code>OSError</code>	Raised when system operation causes system related error
<code>OverflowError</code>	Raised when result of an arithmetic operation is too large to be represented
<code>ReferenceError</code>	Raised when a weak reference proxy is used to access a garbage collected referent

RuntimeError	Raised when an error does not fall under any other category
StopIteration	Raised by <code>next()</code> function to indicate that there is no further item to be returned by iterator
SyntaxError	Raised by parser when syntax error is encountered
IndentationError	Raised when there is incorrect indentation
TabError	Raised when indentation consists of inconsistent tabs and spaces
SystemError	Raised when interpreter detects internal error
SystemExit	Raised by <code>sys.exit()</code> function
TypeError	Raised when a function or operation is applied to an object of incorrect type
UnboundLocalError	Raised when a reference is made to a local variable in a function or method, but no value has been bound to that variable
UnicodeError	Raised when an Unicode-related encoding or decoding error occurs
UnicodeEncodeError	Raised when an Unicode-related error occurs during encoding
UnicodeDecodeError	Raised when an Unicode-related error occurs during decoding
UnicodeTranslateError	Raised when an Unicode-related error occurs during translating
ValueError	Raised when a function gets argument of correct type but improper value
ZeroDivisionError	Raised when second operand of division or modulo operation is zero