

- **max\_frames** (*int*) – Maximum number of frames to show in a traceback, 0 for no maximum. Defaults to 100.

**classmethod extract**(*exc\_type, exc\_value, traceback, \*, show\_locals=False, locals\_max\_length=10, locals\_max\_string=80, locals\_hide\_dunder=True, locals\_hide\_sunder=False, \_visited\_exceptions=None*)

Extract traceback information.

#### Parameters

- **exc\_type** (*Type[BaseException]*) – Exception type.
- **exc\_value** (*BaseException*) – Exception value.
- **traceback** (*TracebackType*) – Python Traceback object.
- **show\_locals** (*bool, optional*) – Enable display of local variables. Defaults to False.
- **locals\_max\_length** (*int, optional*) – Maximum length of containers before abbreviating, or None for no abbreviation. Defaults to 10.
- **locals\_max\_string** (*int, optional*) – Maximum length of string before truncating, or None to disable. Defaults to 80.
- **locals\_hide\_dunder** (*bool, optional*) – Hide locals prefixed with double underscore. Defaults to True.
- **locals\_hide\_sunder** (*bool, optional*) – Hide locals prefixed with single underscore. Defaults to False.
- **\_visited\_exceptions** (*Set[BaseException] | None*)

#### Returns

A Trace instance which you can use to construct a *Traceback*.

#### Return type

Trace

**classmethod from\_exception**(*exc\_type, exc\_value, traceback, \*, width=100, code\_width=88, extra\_lines=3, theme=None, word\_wrap=False, show\_locals=False, locals\_max\_length=10, locals\_max\_string=80, locals\_hide\_dunder=True, locals\_hide\_sunder=False, indent\_guides=True, suppress=(), max\_frames=100*)

Create a traceback from exception info

#### Parameters

- **exc\_type** (*Type[BaseException]*) – Exception type.
- **exc\_value** (*BaseException*) – Exception value.
- **traceback** (*TracebackType*) – Python Traceback object.
- **width** (*Optional[int], optional*) – Number of characters used to traceback. Defaults to 100.
- **code\_width** (*Optional[int], optional*) – Number of code characters used to traceback. Defaults to 88.
- **extra\_lines** (*int, optional*) – Additional lines of code to render. Defaults to 3.
- **theme** (*str, optional*) – Override pygments theme used in traceback.
- **word\_wrap** (*bool, optional*) – Enable word wrapping of long lines. Defaults to False.