

Stack Trace

traceback / backtrace

⇒ Project → has several Functions and modules

When error happen in one

Backtrace ← error بتظهر كل السطور والسطر الذي فيه ال error

⇒ Function call made in the code at specific Point

↳ coming back from stack DS (LIFO) → Help us to identify where and the exact line of the error

Stack Unwinding

Function 1 call Function 2

if P_2 has / Raise exception:

Does it have try and catch?

if No!

Terminate Function

else:

elif has matching type?

No → Terminate Function

⇒ if P_1 throw exception to P_2 it will do the same logic

yes → go to its except block. → may throw again.

→ This is How to catch an error and navigate from Function to another.

Don't Hide it / Swallow it → Handle it / log and raise

→ We send exceptions if and only if it was blocking the flow