

THE ZEN OF PYTHON

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Engineering of Software

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Principle: "Errors should never pass silently"

- ▶ Meaning: This principle indicates that when an error occurs during program execution, it should not be ignored or hidden, but rather handled properly to inform the user about what happened and allow the program to continue executing in a controlled manner.

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► Example in Python:

```
1 def divide(a, b):
2     try:
3         result = a / b # Trying to perform the
4         division
5         return result
6     except ZeroDivisionError as e:
7         print("Error:", e)
8         return None
9
10 # Calling the divide function
11 result = divide(10, 0)
12 if result is not None:
13     print("The result of the division is:", result)
14 else:
15     print("Cannot divide by zero.")
```