Python Typing Cheat Sheet: Any & Callable

Any

Detailed:

Callable[[int], str]

```
`Any` means the value can be of any type:
Example:
  from typing import Any
  def show(value: Any):
     print(value)
Usage:
  show(123)
                   # int
  show("hello")
                   # str
  show([1, 2, 3]) # list
Callable
`Callable` means a function or callable object.
Basic:
  from typing import Callable
  def run(action: Callable[[], None]):
     action()
  def greet():
     print("Hello")
  run(greet)
```

function that takes an int and returns a str

Callable[[Any], Any] # takes any type, returns any type

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Combined Example

```
from typing import Callable, Any

def process(func: Callable[[Any], Any], value: Any) -> Any:
  return func(value)

def shout(text: str) -> str:
  return text.upper() + "!"

print(process(shout, "hello")) # Output: HELLO!
```

Summary

