

Decorators

What is Decorators

- Python has an interesting feature called ***decorators*** to add functionality to an existing code.
- This is also called ***metaprogramming*** as a part of the program tries to modify another part of the program at compile time.
- Functions and methods are called ***callable*** as they can be called.
- Any object which implements the special method `__call__()` is termed callable.
- A decorator is a callable that returns a callable.
- It takes in a function, adds some functionality and returns it.

What is Decorators

- Decorator function added some new functionality to the original function.
- Similar to packing a gift.
- Acts as a wrapper.
- The nature of the object that got decorated (actual gift inside) does not alter.
- But now, it looks pretty (since it got decorated).