FUNCTIONS IN PYTHON

* First Class Object
  + In python, everything is treated as an object including all the data types, functions too. Therefore, a function is also known as a first class object and can be passed around as arguments.
* Inner Function
  + It is possible to define functions inside a function. That function is called an inner function.

DECORATORS IN PYTHON

* Decorators in python are very powerful which modify the behavior of a function without modifying it permanently. It basically wraps another function and since both functions are callable, it returns a callable.

DECORATORS IN PYTHON EXAMPLES

* Basic Example
* Python Decorator with Arguments
* Returning values from a Decorated Function
* Timing Functions

FANCY DECORATORS

* Class Decorators
* Stateful Decorators
* Classes As Decorators

A FEW MORE EXAMPLES

* Singleton Class
* Nesting decorators
* Arguments in a Decorator
* Validating JSON