## -> "Python Decorators"

In python decorator in a function that modifier the behaviour of curother function without changing its house code. It is a way to add functionality to existing functions in a remable & elegant manner.

A decorator in applied to a function very the @ Lymbol. flowed by the decorator name, placed directly above the function definition. When the decorated function is called, the decorator function, is executed first, modifying the function's behaviour before the origin al function is executed.

Eg:> def my-decorator (func);

def wapper():

point ("Before Eally the function.")

func()

point ("After Calling the function.")

return wrapper.

@my-decorator

def : say-hello();

|mut("Hello!")

say-hello()

O/p: Before ally the function. Hello! After Cally the function.

P-7.0



In this example, my-decorated taken the function chay-hello. as an argument of returns a modified version of it called weapper.

The @my-decorator dyntax applies the decorator to say-hello; cho when very-hello() is called, it is actually the weapper function that gets executed.

Another Example :>

def my-decorator (some-function):

def wrapper (num):

boint ("Smalle weapper to theck odd/even")

if numyo & = = 0;

Det = Even

else;

ret = "odd"

Some\_function(num)

return ret

respected "weapper function is called") between weapper.

@my-decorator

def my-function(x):

boint ("The number is=", x)

Nozlo

point ("St is ", my-function (no))

Olp: Wrapper function is called Intach wrapper to check odd/Even The number is = lo 9+ is Even — a