Arrays

- In python, it doesn't provide built in support for array. But we are using list as array in python.

- We can study how to use list as array in python, if we need to use array in python, we need to import numpy module.

- An array is a special variable, which can hold more than one value at a time.

⊙ However, what if you want to loop through the cars and find a specific one? And what if you had not 3 cars, but 300?

The solution is an array!

⊗ An array can hold many values under a single name, and you can access the values by referring to an index number.

DECORATOR

A decorator is a function that takes another function as an argument and returns a new function that modifies the behavior of the original function. The new function is often referred to as a "decorated" function.

Syntax

```
@decorator - function
def my-function():
    pass.
```

Example

```
def greet(fn):
    def mfx():
        print("Good Morning")
        fx()
        print("Thanks for using this function")
    return mfx

@greet
def hello():
    print("Hello World")

hello()
```

```
② def greet (fx):
        def mfx (* args, ** kwargs);
            print ("Good Morning")
            fx (*args, **kwargs)
            print ("Thanks for using
                this function")
        return mfx

@ greet
def add (a, b):
    print (a+b)
greet (add)(1,2)
add (1,2)
```