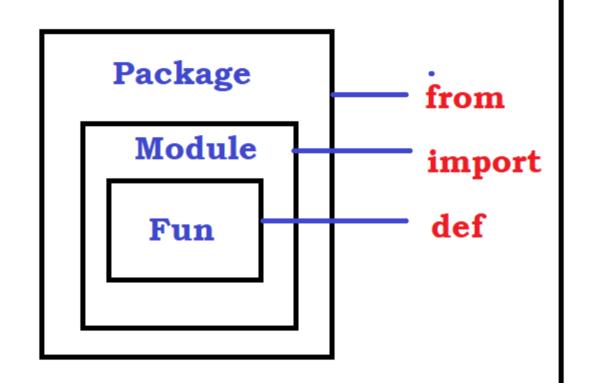


### **Modules And Package**

Module Collection of Functions
Package Collection of Modules



```
Creation of Array
                                      Array Package
Syntax
                                                           Array
                                                           Module
        Array-Name = array( 'Specifier ', [V1, V2, V3])
    Array-Name = array-obj . array( 'Specifier ', [V1, V2, V3])
```

### **Specifier**

- Format Specifier for indicates the array contaion same Data

i - int I - Long int

f - Float

b - Character

Package array

Module array

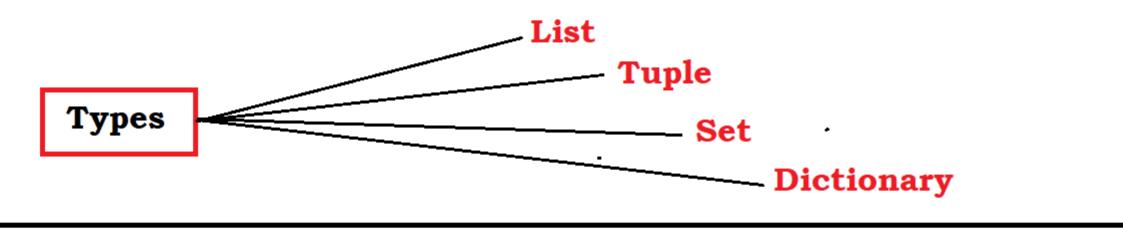
Function array()

```
Using Array Package
                                   Using Array Module
from array import array
a=array('i',[1,20,30])
                                    import array as ai
print(a)
                                    a=ai.array('i',[1,20,30])
#array('i', [10, 20, 30])
                                    print(a)
for i in a:
                                    print(type(a))
  print(i)
                                    #array('i', [1, 20, 30])
20
                                    #<class 'array.array'>
30
```

# Python Collections

#### Heart

A Collection is a Group of Elements which are may be Same Data Type of Different Data Type and we are not sure those Elements are Stored in a Cotginous Memory Locations.



## Properties of a Collection

Collection Name	Ordered / UnOrdered	Mutable / Immutable	Allow Duplicates / Not Allow Duplicates	
List	Ordered	Mutable	Allow Dups	
Tuple	Oredred	Immutable	Allow Dups	
Set	UnOredred	Immutable	Not Allow Dups	
Dictionary	Ordered	Mutable	Not Allow Dups	

