

Memory allocation

Continuous



Array

Non-Noncontinuous

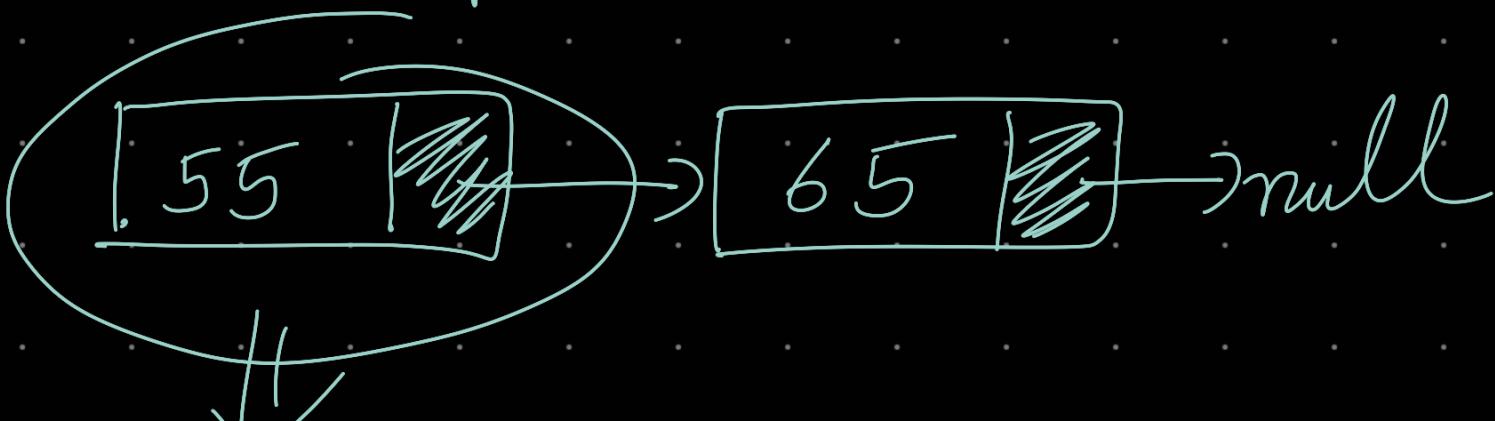


pointers

First data structure using pointers is linked list

* Each node has pointer/address of next node

Pictorial Representation



Each node can be any inbuilt or user defined data type.

Advantages → Discontinuous memory allocation

Disadvantages → (1) extra space for pointer required

(2) Memory Access is not direct so slower than array.