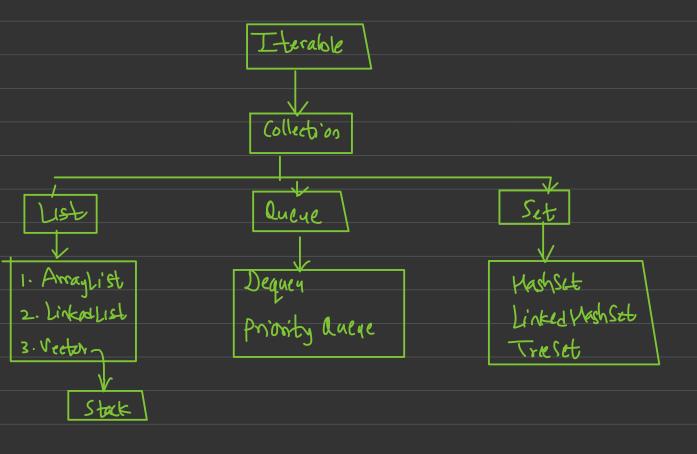
## 06 June 2023

## Collection Class

Framework -> store and manipulate group of objects > searching, sorting, insertion, manipulation and deletion...

Java Collection framework: Set. List, Queue, Duque, ArrayList, Vector, LinkedList, PriorityQueue, HashSet, Trees.

Collection: represents a single unit of objects i.e. group



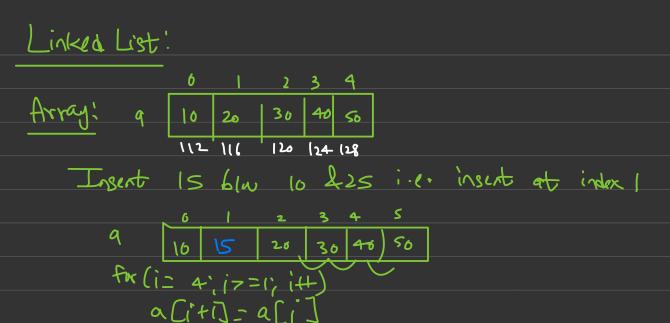
To instantiate List interface, we do!

List int I1 = new ArrayList();

List int I2 = new LinkedList();

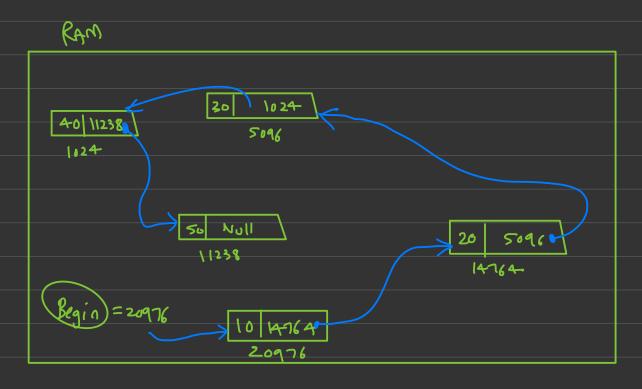
List int I3 = new Vector();

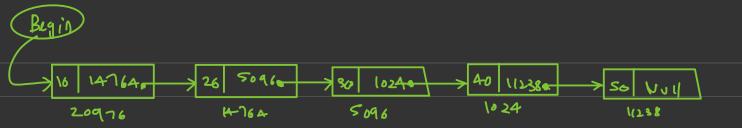
List int I4 = new Stack();



## Linked List







10 June 2023

Traverse a LL:

1. If Brgin=NUII

print 'LL is empty!

2. Set P=Begin

3 while (pl =null)

2 print (print)

p=p·rext

-7

4 Stop

Searching:

- 1. What to search: data = 40
- 2. If Begin=rull
  Sup "LL empty"
  exit

Inserting a node: (end)



2. Input new info

Deleting a node:

- 1. Node to be deleted: data = 30
- 2. If Begin = noll

  Sup LL empty:

  exit
- 3. Set p=Begin Follow = Null

esse

```
Regin=p.next;

p=null;

g
else
follow.next = p.next;

p=null;

y
```