Remove At Index in LinkedList

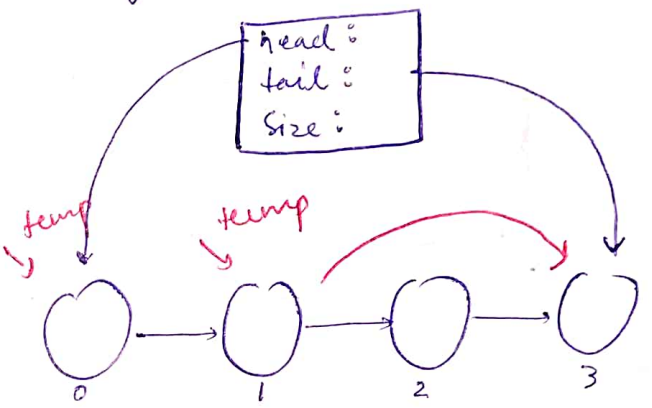
Hume ek index pass kiya jayega, hume uss index pe pada hua element element uddana hai!

Special case

∴ (size == 0) → List is empty ∴ (size == 1) → head = tail = null

if (idx < 0 || idx >= size) → Invalid argument

```
public void removeAt (int idx) {
  if (idx < 0 || idx >= size) {
      Syso ("Invalid Argument");
  }else if ( idx == 0){
      removeFirst();
  }else if (idx == size-1){
      removeLast();
  }else {
    Node temp = head;
for (int i = 0; i<idx-1; i++) {
     temp = temp.next;
    }
temp.next = temp.next.next;
 size--;
  }
}
```



- Agar hume bola gaya ki hume 2th index remove krna hai!
- Hum temp ko head pr rakhengy aur fir loop chalangy aur (index-1) tak pauch jayunga!

∴ temp.next = temp.next.next

- Size ko minus krdengy!

NOTE: → Hum temp ko (idx-1) tak laye! → FIR ↴

Humne temp ko humare temp ke next ke next pe point krdia jisse index pe wala element remove hogaya!

Agar (n-1) sidha (n+1) ko point krdega toh humara kam hojayega!