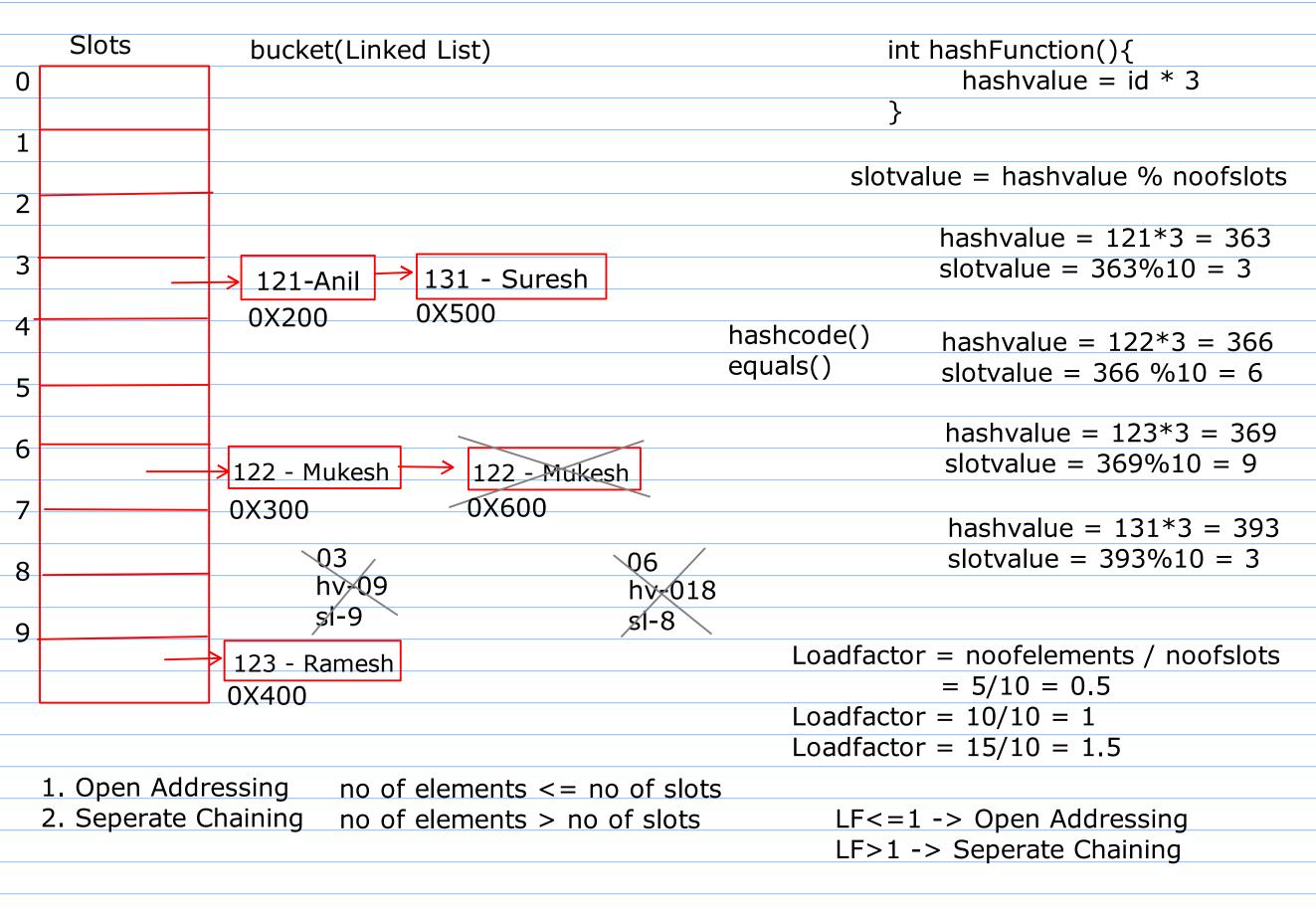
Collection

List, Queue, Set

Hashtable



Ready made Data Structure

- -> Collection Framework (Encapsulation)
- -> For users -> Abstraction

Linked List

add(E e){
statemet1
statemet2
statemet2
while(e.eqlas())
if(statemet)
}
else
add

```
<terminated> Program02 [Java Application] D:\Softwares\sts-4.19.0\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64]
12
                                                   Employee [id=121, name=Anil]hashvale - 1573
        public Employee(int id, String name)
13∘
                                                   Employee [id=132 name=Mukesh]hashvale - 1716)
14
             this.id = id;
                                                   Employee [id=143, name=Ramesh]hashvale 1859
            this.name = name;
15
                                                   Employee [id=132, name=Mukesh]hashvale - 1716
16
        }
17
        @Override
18∘
       public int hashCode() {
-19
            return id * 13;
20
21
22
23 //
        @Override
        public boolean equals(Object obj) {
24 //
            if (this == obj)
25 //
26 //
                 return true;
            if (!(obj instanceof Employee))
27 //
28 //
                 return false;
            Employee other = (Employee) obj;
29 //
30 //
            return id == other.id;
31 //
32
33⊜
        @Override
```

```
Set<K,null> -> Map<K,V>
HashSet<K,null> -> HashMap<K,V>
LinkedHashSet<K,null> -> LinkedHashMap<K,V>
TreeSet<K,null> -> TreeMap<K,V>
```

String Tokenizer

Heap



GC ->

t1 = new Test();

- it performs the GC in two ways
- 1. Minor GC (On Young generation)
- 2. Major GC (On Young + Old Generation)

Mark and Compact Algorithm