

Core Java

Trainer: Nilesh Ghule



Iterators

fail-fast iterator (); through

through ite=list. iterator ();

through ite=list. iterator ();

ele=itr. siext(); list. add (-);

Concurrent

Modification

Exception

Collections in java. util ples

have fail fast iterators.

thread it = list. iterator (); through

thread it = list. iterator ();

while (it. has Next())?

ele = itr. next();

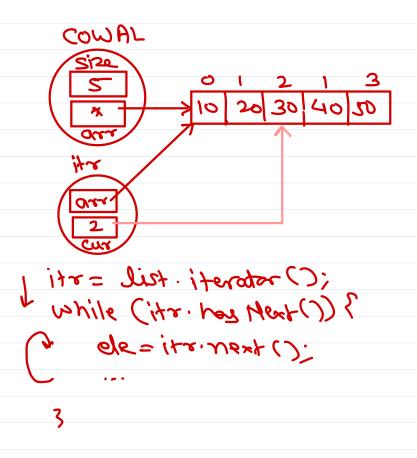
list.add(-);

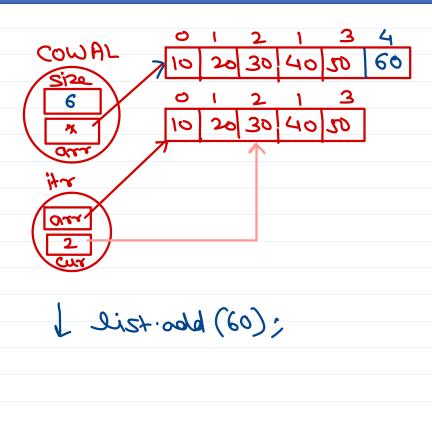
collections in java. util. concurrent pkg

have fail-sale iterators.



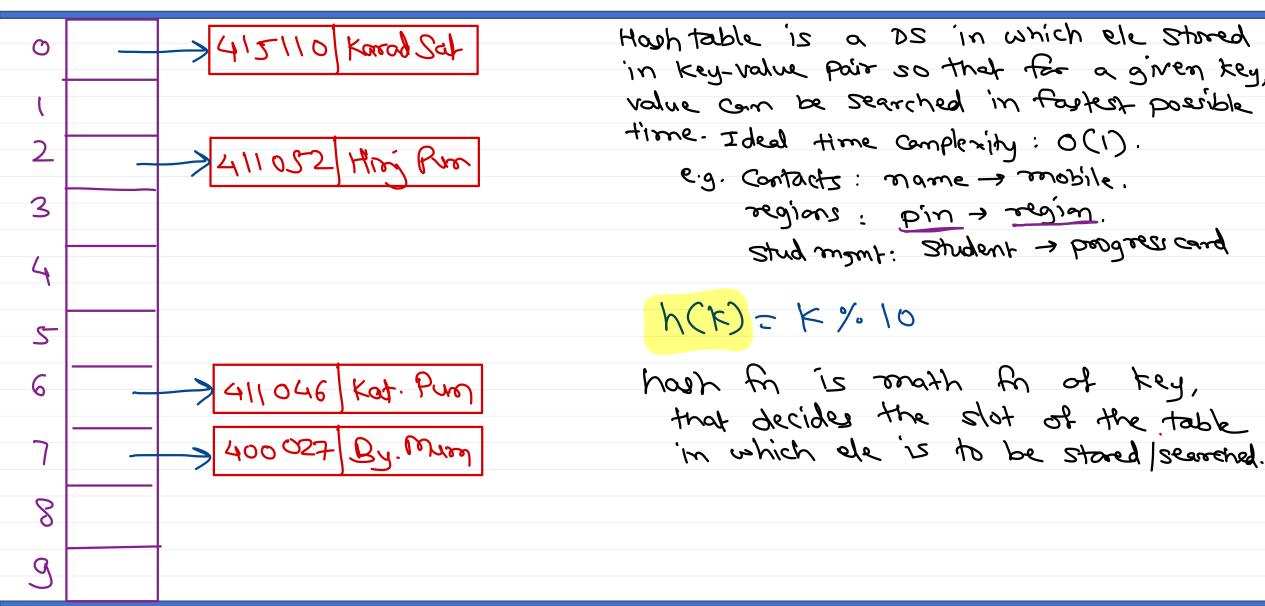
CopyOnWriteArrayList







Hash table in Data structure

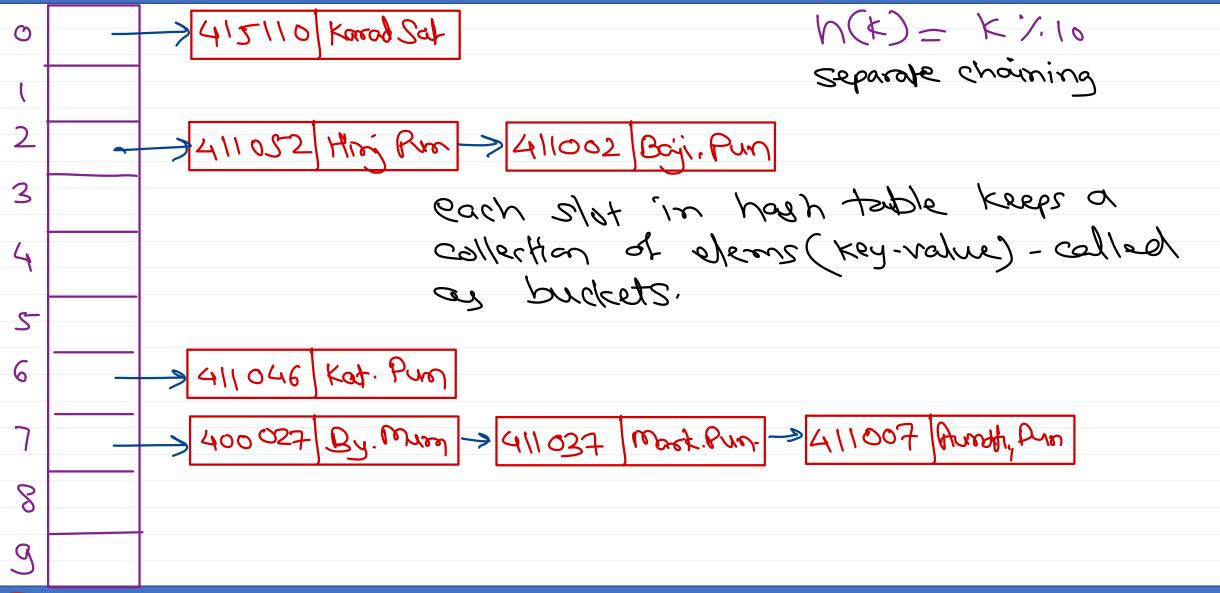


Hash table in Data structure

0	_	-> 415110 Karrad Sat	N(x) = x /.	10	
2		16 different keys yields some slot in table (by hash fn) then collision occurs. 411002 Baji. Pun Collision handing techniques Open addressing Separate chaining.			
4 4					
6		1046 Kat. Pun Load factor = orum of entires : orum of slots			
7		400 027 By. Miss	6.9.		•
8		(411037 Mark. Pun-	7	10	0·7 1·0
9		411007 Aundi, Am	15	10	1.5

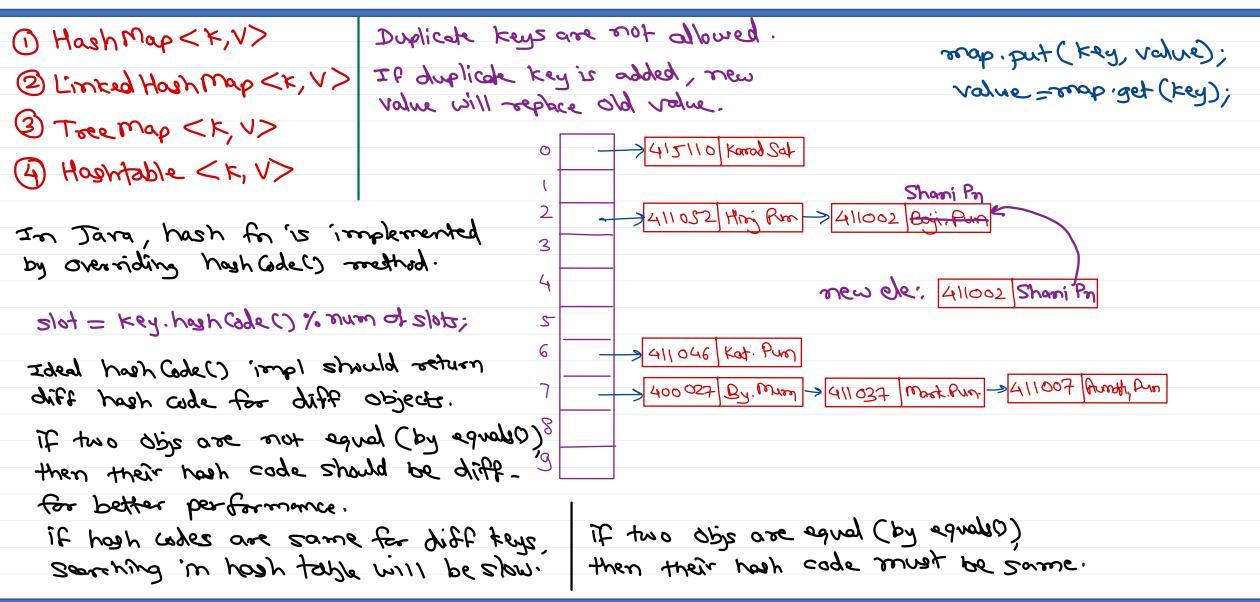


Hash table in Data structure





Hash tables in Java





Sets vs Maps

```
Hash Set < x> = Hash Map < x, null>
Linked HoshSet <k> = Linked Hosh Map< K, nul)
 TreeSet< x> = TreeMap< x, null>
Set < Integer> 3 = new HowhSet<>();
S. add (41104B);
                                                                         M(K)=. PIN %. 10
                                            415110
                                                         (4)
                                   0
S. add (4110003);
                                                         → 411002
                                           7411052
                                  3
S. add (415+16).
                                   2
                                                        2
                                            411046
                                             400 027
                                                         → 411 037
                                                                       -411007
```





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

