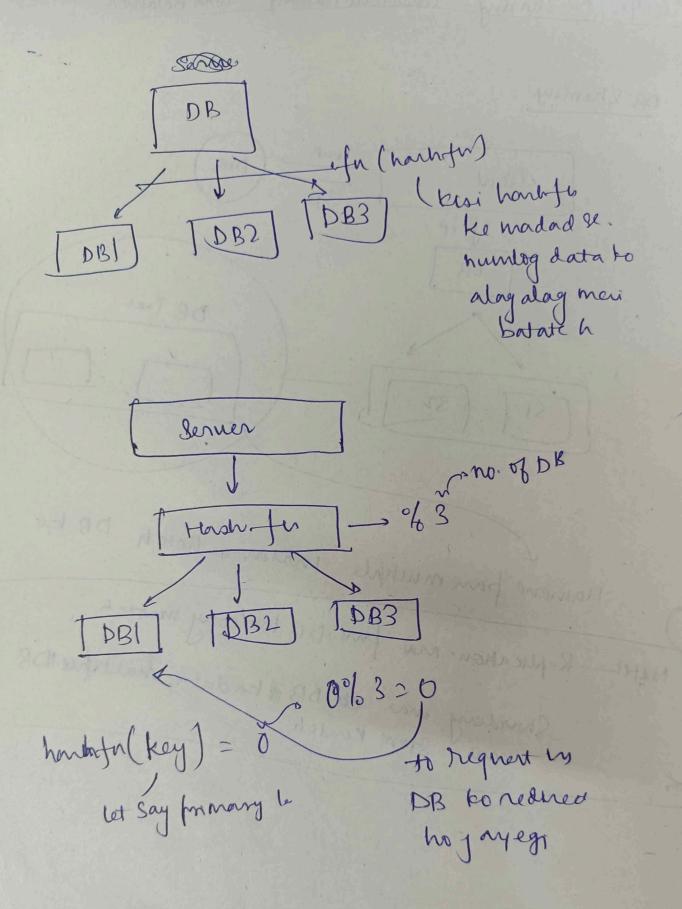
Lecoys- DB Sharing - Consistent Hashing - Lord Balancer. DB Charding chent DB Pres. Hamone fan multiple instances hoteh DB be.

Natt- Replication mai pure DB lea copy marte h.

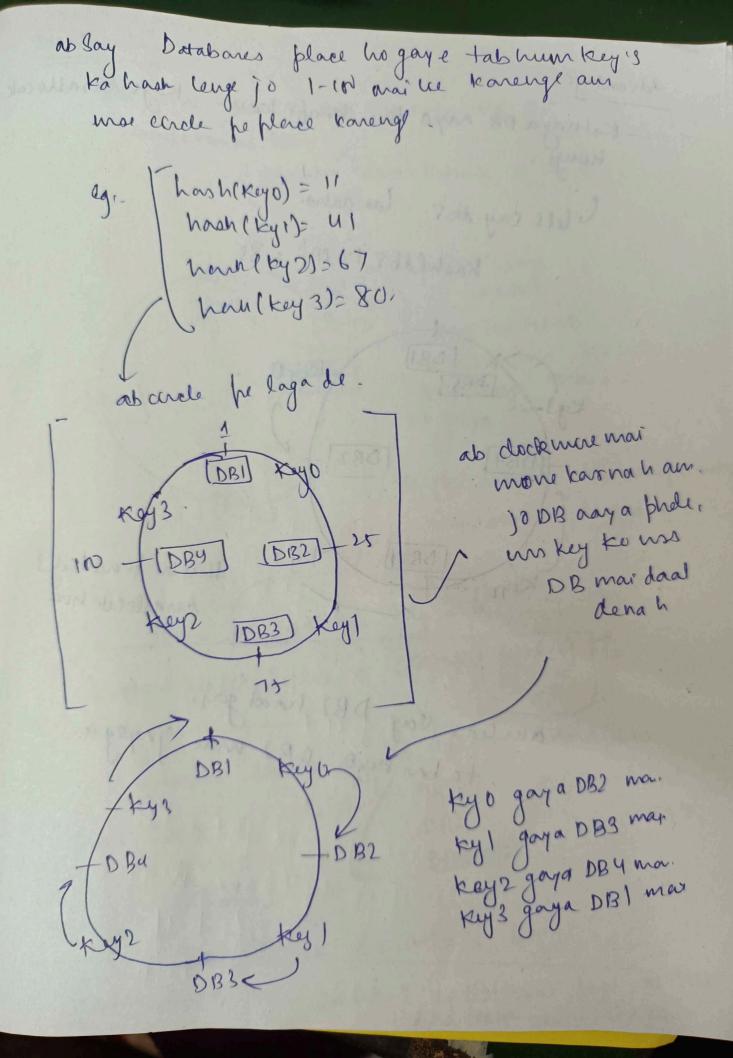
Showdary mai et DB & kardata, multiple IDB

There won't konteh.



The state of the s

Consistent Hashing Sabse finde hum > 100 1 v DB ka hashlenge 25 Harh King 75 mottab eg db lca IP house hash Fields from le lenge 10 (1-100) hashicap) + Ci, 1003 arruny hash(DB) (asp): 1 Cet 13 say hash(ABD Kapp): 25 hash ( DB3 ka 2P) = 50 hash lobylea gp)=75 hanh (DBY ka pp) = 11 Tita perfect to IDB2 +DB4 ye zasusi nih\_ (DB3

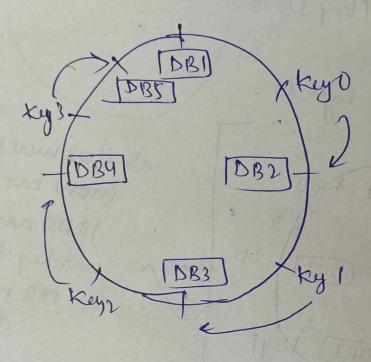


Advantages

- Kalnaya DB nay a to kaafi kam Keys dirallocak
hongs.

Clets say dos las nama.

hash(dbs basp) = 85



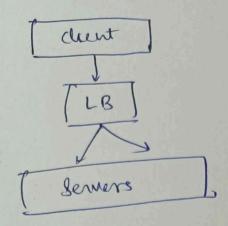
Habhi b as Kys desallocate hua

aur lets say DB2 haat gon. to bankeyo DB2 man jayega.

Disadvandage
BB mas yo no. of keys you nake one generally
(uneven dortsibution of Kys)
DBY  DBY  (to yhi dukkas hici umformta  Compromen hoyatih)
Joka Soln banaya gay a h.  Joka Soln banaya gay a h.  Viotual Noder (Replicas of Original Nodes)  hamayan
humbeg databanes ka replica boundage  humbeg databanes ka replica boundage  DB3->DB3-1  DB3->DB3-1  DB3-2  DB3-2
Lette Data DB-1 4a DB-2 ya DB1 mai jayr, at the

Ab mai napar se Prophica, DB ka hanh nekalenge Clet's say moy aaye. (DB)jobbi DB3 hi hat the 093-2 Ky2 DB2 mai jagega jotes ton uniformity laane mai Kanfi help

Celebrity Problem > famous kuch a keys ek particular de (DB4-1 mon' aa jate h, June no. of read operation us DB he kaafi badh jata h. foreg: Inta p. SRK, Vinat kolli, for egg Ronaldo, modi Ky4:SRK Kadata agan ele Keyt: Virad Kohli hi DB mai gaya to Key 6: Ronaldo us DB he no. n readoperation Key 7: mods bashi badh jayeg lets say to same Egry DB 3 mai Chal gays, to Kyuki unki profits to basilog fetch leaste hto DBB he to kaafijanda lood podega.



LB itua Smart bacre
hota h?

Luna tame puta dral
jata hici kaun le
regico baha bhegha h

Applications of LB

- · Scalability
  - \* Availability
  - · Security
  - Responsivener.

1:11:34