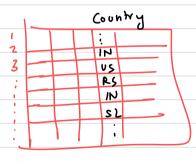
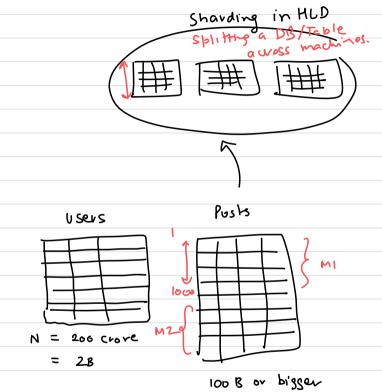


Indexing

- o Introduction
- · How mey work
- . Disadv.
 - · Multiple Cols.
- · Indexing on Strings
- . Code

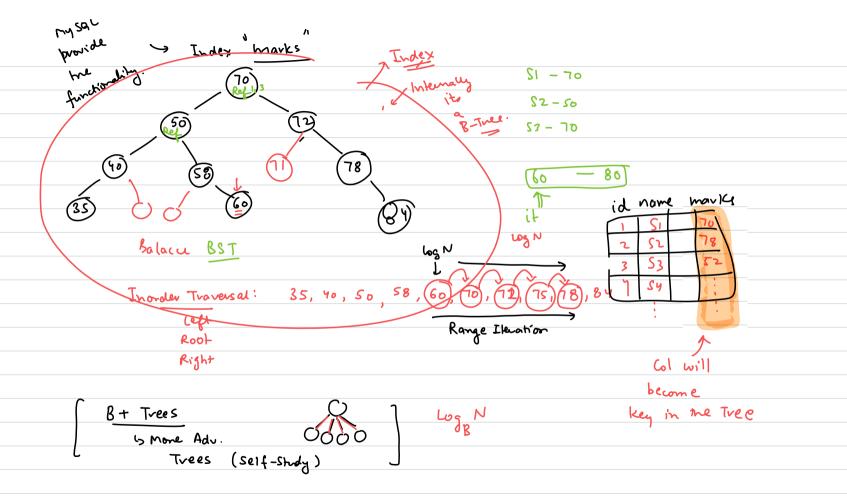


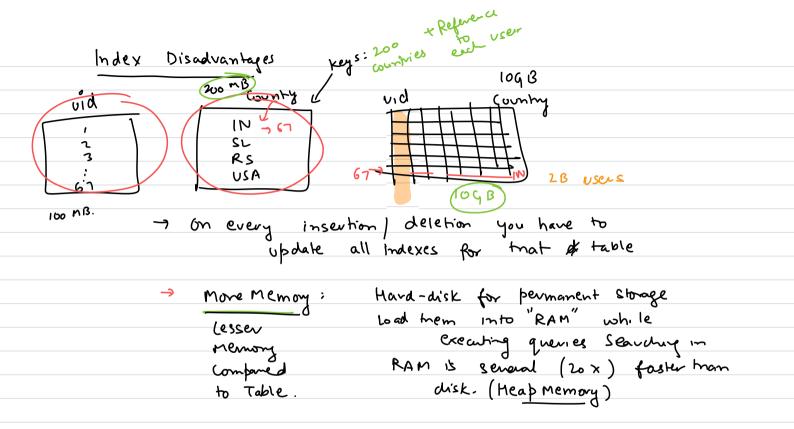
= 10 Records (Rows)



- Find all users that belong to IN.

> 0(N) work -> linear Search. 10^8 inst =) 15 - Time: $lo^{10} inst \Rightarrow l \times lo^{10} = loos$ (Quite slow & bad:() B+ Tree Index: Data structure mat the Patabase uses to quickly fetch data. with every table, you can create one or more indexes. (optional) Key-value reference Country Row. IN -3,6 Queries 17 ٧S RS lange Queries RS - 5, 11 40-80 marles SL - 7, 12, 15, 18 SL 200, -20 24 Hash-table Not suitable Re Option-1





When should we create?
- TABLE GREATE
-7 only done for "Performance Critical Quevies"
Gvery
ullet
Columns
"marks" you decide on which color cols
I should create index or
multiple indexes for
Default Beh: the given table.
Index is created for RK
for all tables
Additional indexes can be created based upon requirement.

