

## Quiz-2

Raman Shukla (2020201098)

3

Patient

DOB - 10B - 12B

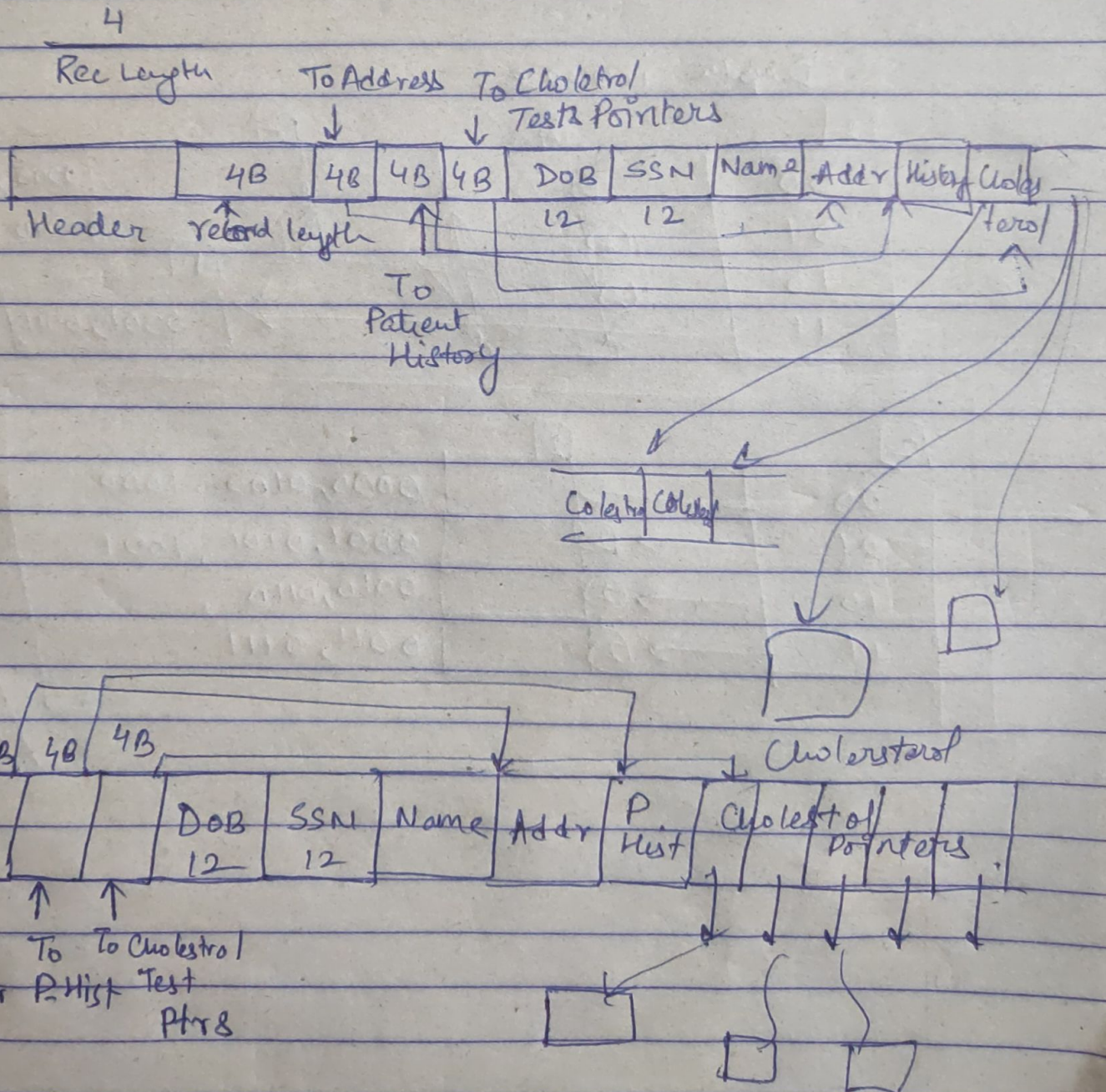
SSN - 10B - 12B

PID - 10B - 12B

Name - Varchar (256B)

Address - Varchar (256B)

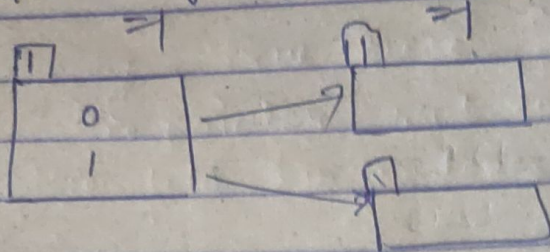
Patient History - Varchar (256B)



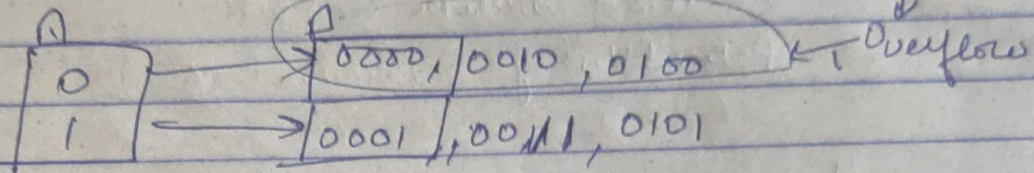


(4)

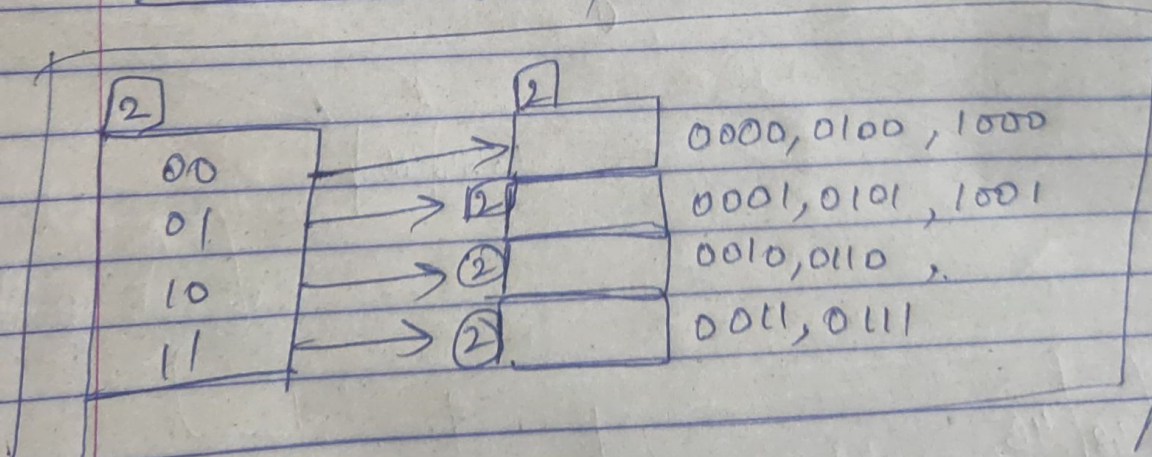
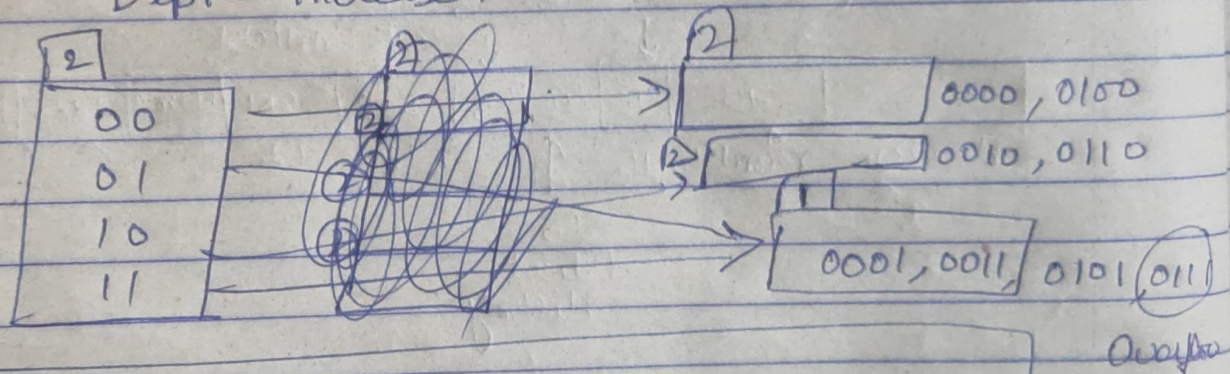
Global Depth, Local Depth



0000, 0001, 0010, 0011, 0100, 0101, 0110, 0111, 1000, 1001



Depth increase.

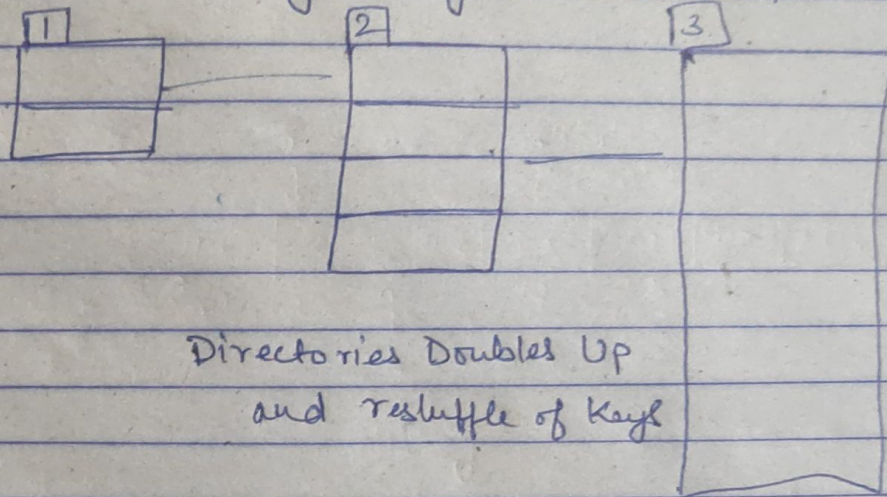




Q. (2) Drawbacks of Extensible Hashing is that it grows the ~~bucket~~ in powers of (2) directory.

And after this large change in directory due to overflow, we again have to rehash and reshuffle the keys.

→ Thus in a way, they waste more space.



→ Linear Hashing :- It grows or shrinks one bucket at a time.

→ This does not have any <sup>full</sup> reorganisation and there is no indirection like extensible hashing.

→ It also can have overflow chain, thus not only it grows slowly and is less time consuming.



① ~~Simply~~ True, since just removing the pointer will not reorganise the file ~~the~~ indexes.