Philesh Kumar (RNI: 21566)

1.1 How many Blacks as Pages that needs for storing this data file in a hord drive?

A) Alumber of Records = 20,000

Total Record Size = 2By ky + 16Byky + 2By ky + 10By ky

= 80 Byky

Black Page Size = 1024Byky

Total No. of Records size = 20,000 ×30 = G00,000 Byky

Total No. of Blacks = G00,000 = 585.93: 585 Blacks

12. If we dook the data file in Salik, how many blacks or pages

that need for the Storing?

=> \frac{20,000 \times \frac{30}{4,096}}{4,096} = 146.48
=> 149 Blocks

A) solike page size = 4 Kb = 4 x 1024 = 4,096

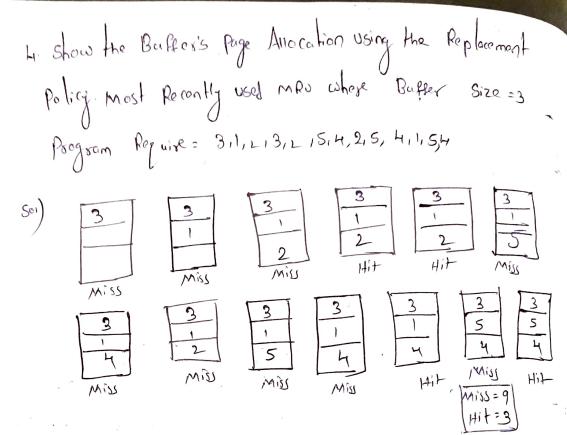
(2) What are the similarities and different blue RAIDO and RAIDI? what is the type of organization should use RAIDO over RAIO1?

Soi) Similarities between RAIDO and RAIDI

1. Both Raido and RAIDI Prodrides increased performance or Redundency.

2. Also, But Use minimum of 2 drives.

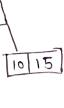
3. Both Doesnot use parity RASO & and RASO 1 Ofference Permoon PRAID 1 RASOO Mo Bockup be grin gaves (Backob) No foult Tolerance fastest 501. usage. 1004. Use all Array storage space 3) show the buffer's page Allocation using the replacement policy Loost Recently used -LAU where burger Size = 3 3,5,8,1,4,5,8,1,2,4,5,3,2 Miss

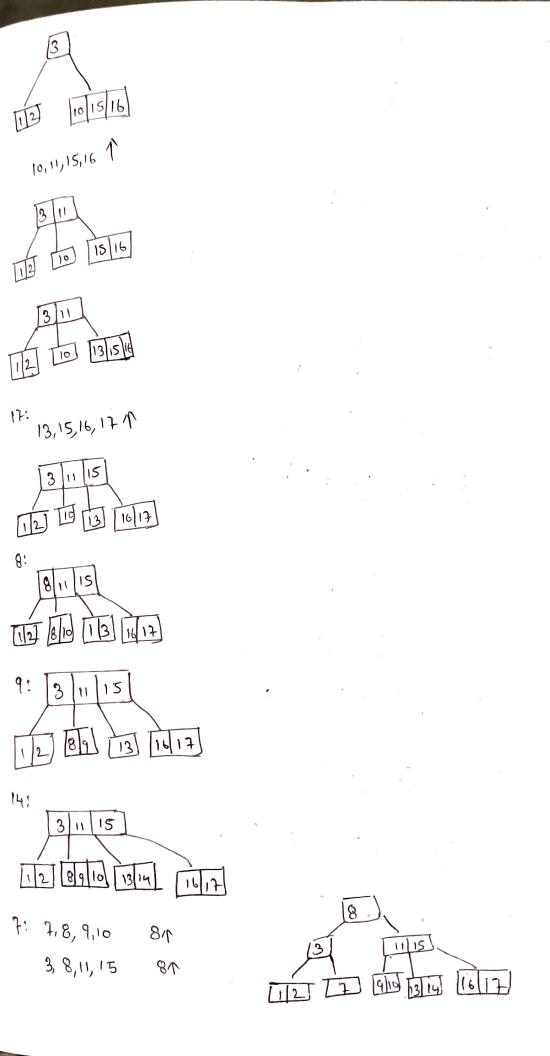


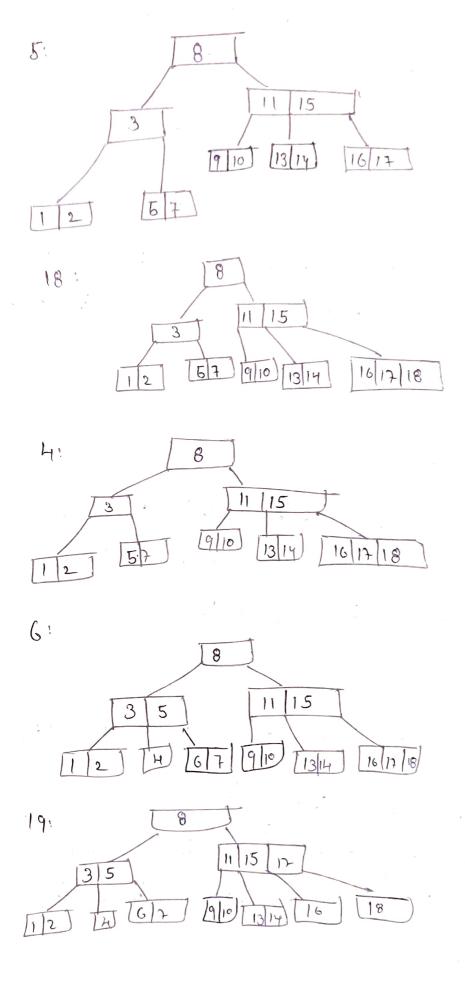
5) Creak the B-Tree Index (m=4) After insert the following input index: 3,2,10,15,1,16,11,13,12,8,9,14,7,5,18,4,6,19.

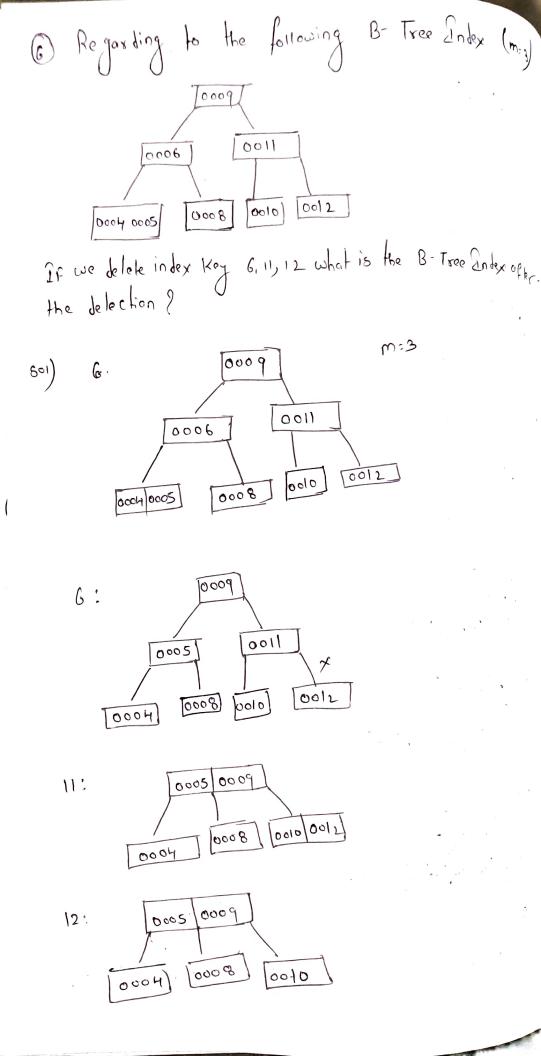
, 2 3 10

Input [2]3









Dake Base monagement System Edition 9 hay 23 chapters
Socked by the Content for coch Chapter. The index at the end
of a book hay all keywords ordered by alphabetics A) 7.1 Is it clustering or non-clustering index, and why? A) This index dog not cluster, since all keyworks are listed in Alphabelical order in the book's index of the end. It's not able to real. The Book's arrangement of the chapter. 7.2 St it sporse or dense index, and why? A) The index isdense (extensive list), Since each chapler in this book hay an entry in the index, which is listed by letter it therefore makey the most scense.

A) This index is a continuouy list of key work arranged

Alphabetically at the end of the book, not a Robrence
to a different index level, The index therefore hay a

Single level.