Database Technologies
UE19CS344
6th Semester, Academic Year 2021-22

Week #: 4 - B+ Trees

(Lab 4)

Date: 8/2/2022

Name : SUMUKH RAJU BHAT	SRN : PES1UG19CS519	Section : H

Insertion in B+ trees:

2019 MARCH

S	M	T	W	T	F	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

8/2/2022
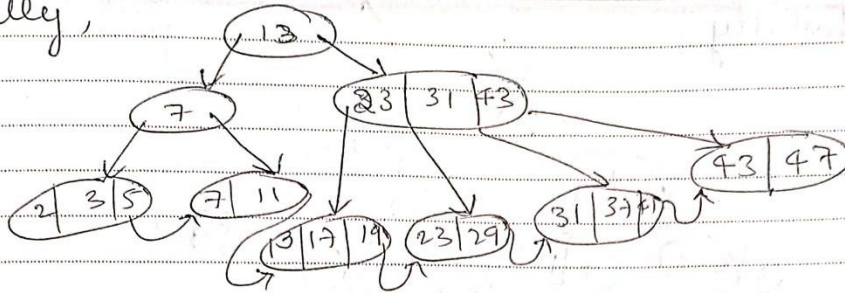
February 2019

PESIUG19CS519 .

Tuesday

5

Initially,

↓ Insert 39

↓ Rearrange/split / Promote

⇓ Insert 18
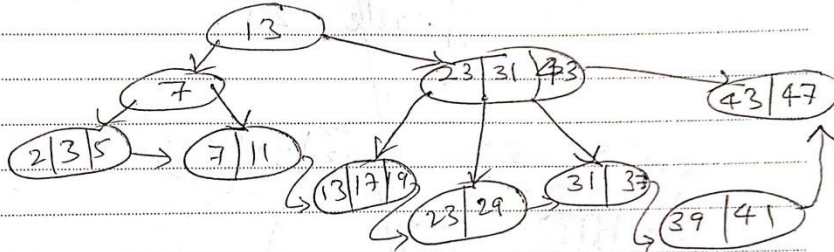
⇓ Rearrange / split / Promote
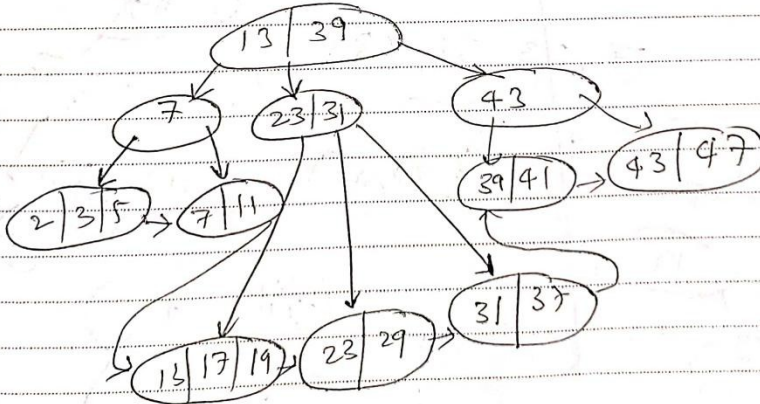
1. Deletion in B+ Trees:

MARCH
T W T F S
1 2
5 6 7 8 9
12 13 14 15 16
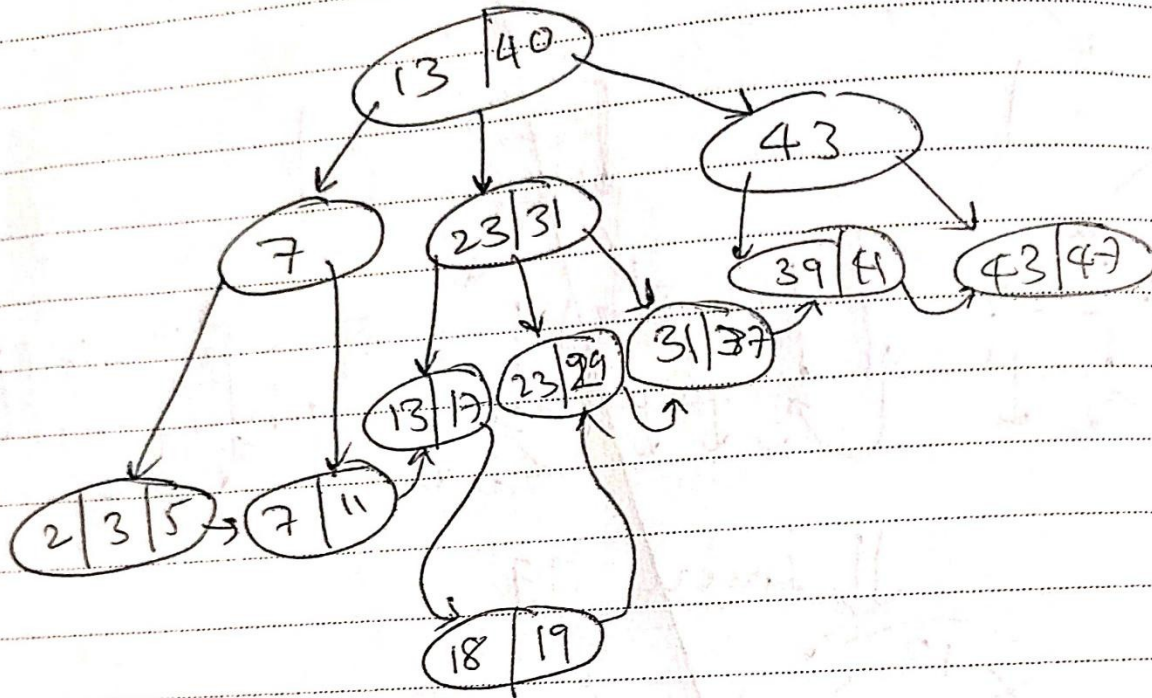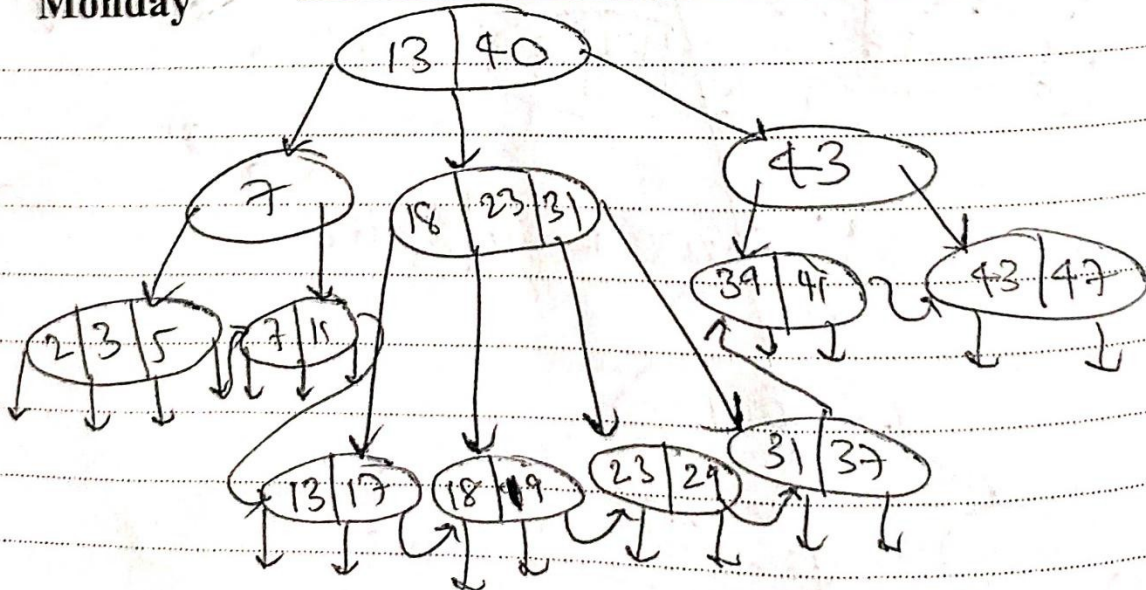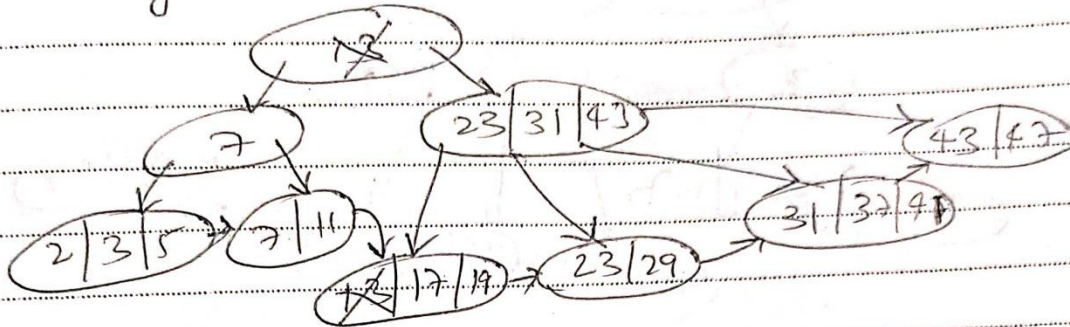19 20 21 22 23
26 27 28 29 30

February 2019

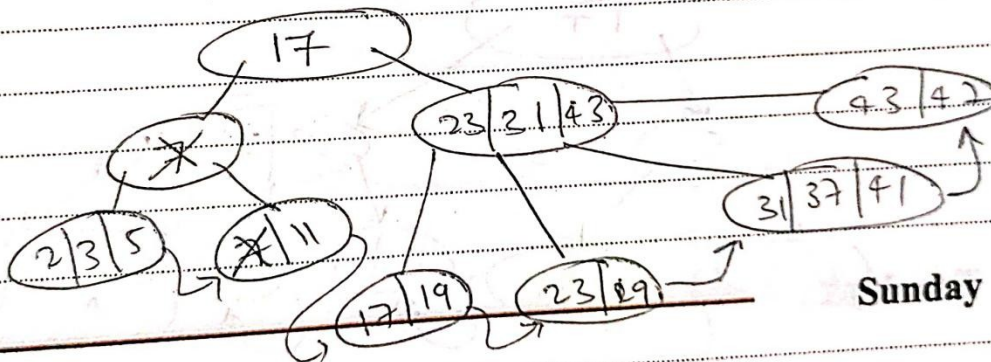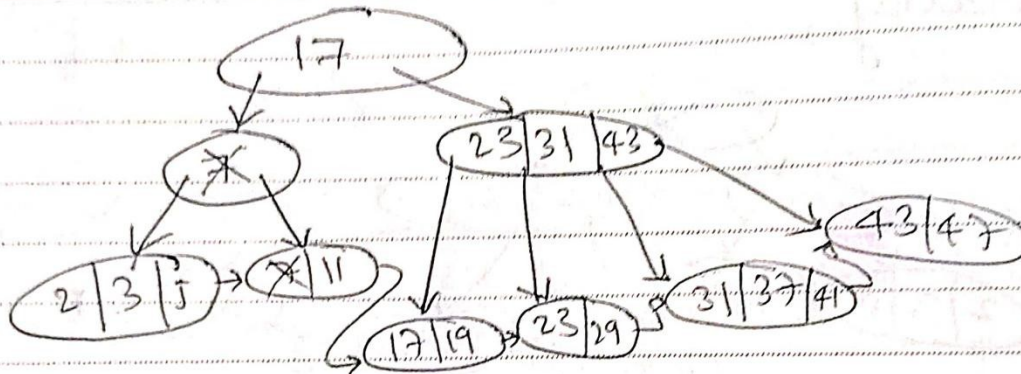Saturday 9

Initially,

① Delete 13 (fill 17 in it's place)

February 2019

11 Monday

JAN
S M T W T
1 2 3
6 7 8 9 10
13 14 15 16 17
20 21 22 23 24
27 28 29 30 31

019
M T W
4 5
11 12
18 19
25 26

17

$\times$

2 | 3 | 5   → $\times$ | 11

23 | 31 | 43

43 | 47

17 | 19   →   23 | 29   →   31 | 37 | 41

⇓ Delete 7 (fill 5 in it's place & merge)

17

5

2 | 3   →   5 | 11

23 | 31 | 43

17 | 19   →   23 | 29   →   31 | 37 | 41   →   43 | 47