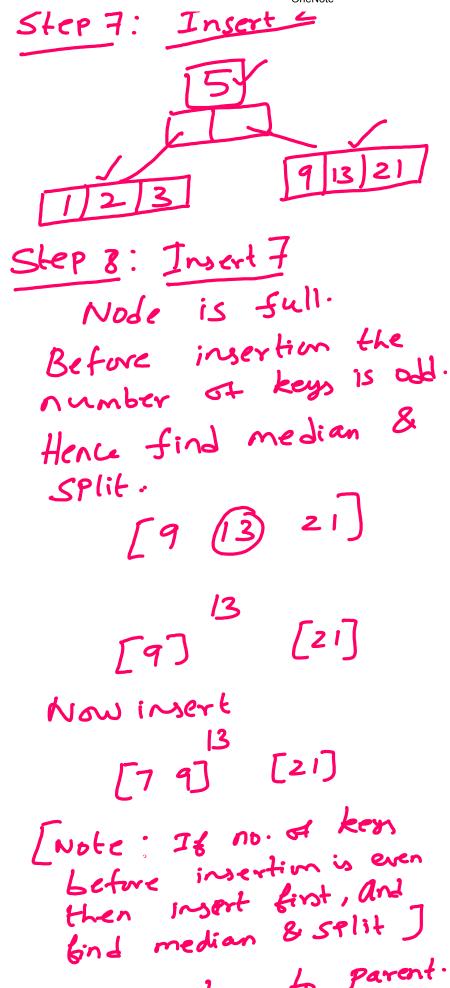
B Tree Creation Example

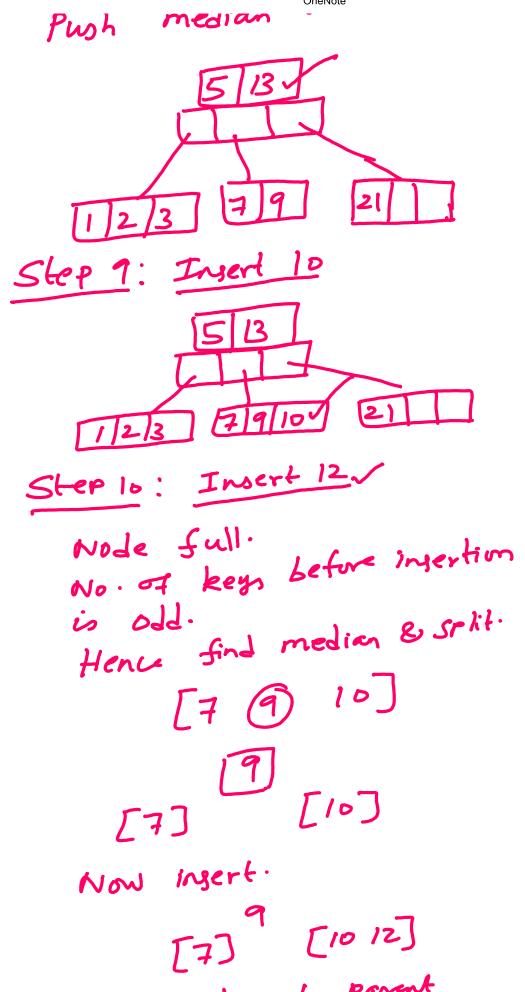
01 October 2020 08:59

10/1/2020

Construct a B-Free of order 4 by inserting the bollowing keys in sequence. 5, 3, 21, 9, 1, 13, 2, 7, 10, 12, 4,8 Order/degree sm = 4 Child Pointen Range: 12-4 - B-Tree of "order 4" is called 2-3-4 B Tree

Similarly B-Tree of "order3" is called "2-3 B Tree" Step 1: Insert 5 Max Reyn=3 Step 2: Insert 3 Step 3: Insert 21 Step 4: Insert 9: Node is full. Before Insertims
no. of keys is odd ... Find median & split. [3 (5) 21]





OneNote
Push median to
59B
1/2/3 7] [10/12] [21]
Step 11: Insert 4
Node is full.
his of been before injection
is odd. Hence find median
& Split.
[12 3]
2 [1] [3]
Now Insert
[1] [34]
Duch median to parent.
Dans la pode is also full.
Find median & split Parent.
[5 9 13]
T-7 [12]
r-7 / 12 /

OneNote [25] [13]

Push median to parent.

Parent is not available.

Hence create new root with

mo 1.me dian.

