

### Assignment 3

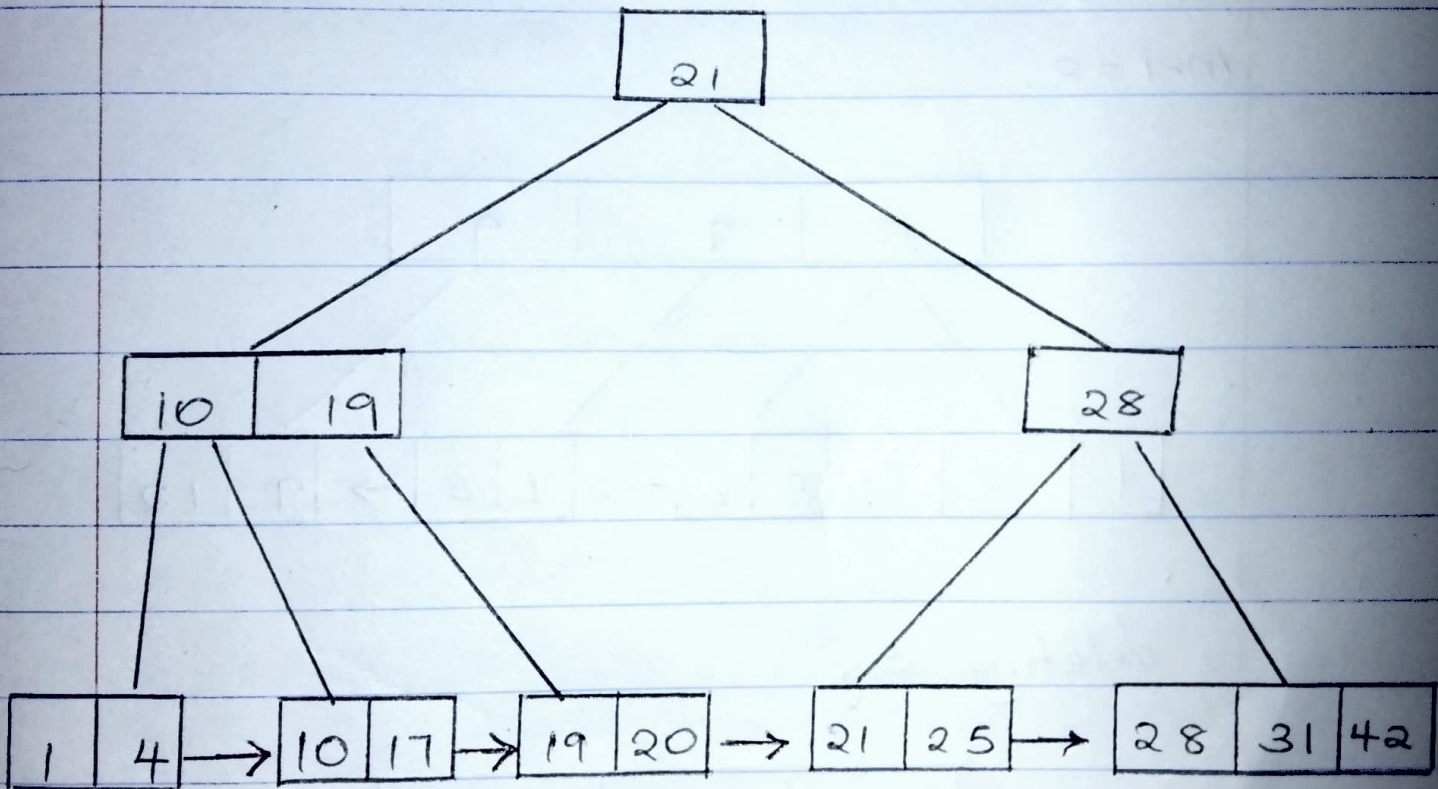
a) A b+ tree is of order 4.

Construct a B+ tree given the following data set:

1, 4, 10, 17, 21, 31, 25, 19, 20, 28, 42

$$m = 4$$

$$m - 1 = 3$$





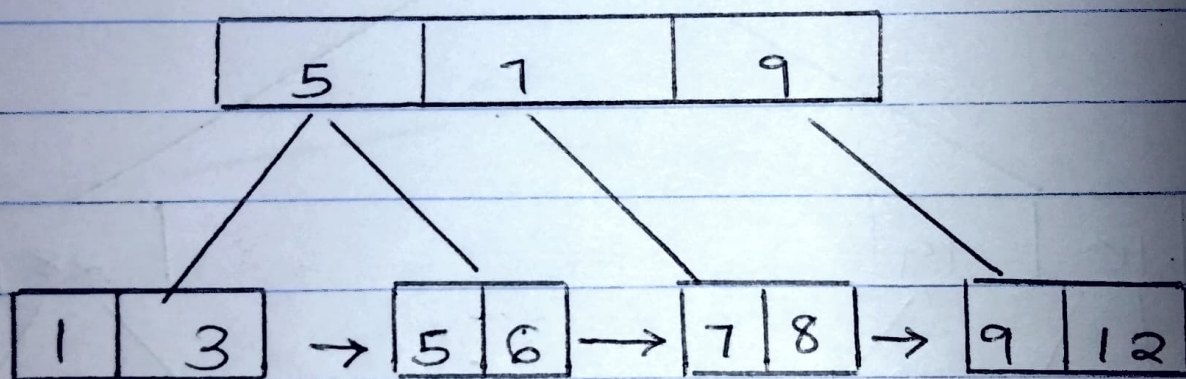
### Assignment 3.

- b) Construct a B+ tree of order 3 with the following set of data:  
8, 5, 1, 7, 3, 12, 9, 6

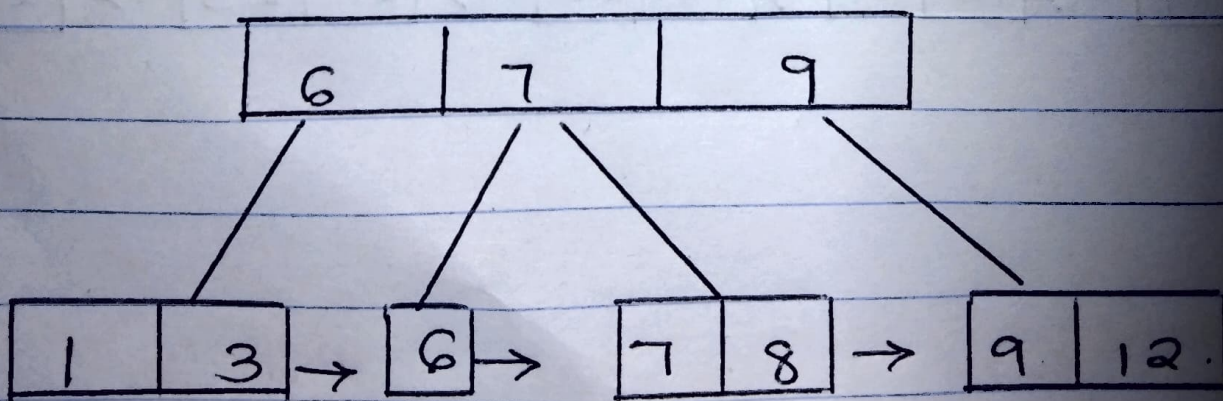
Then delete 5, 12, and 9 from the list

$$m=3$$

$$m-1=2.$$

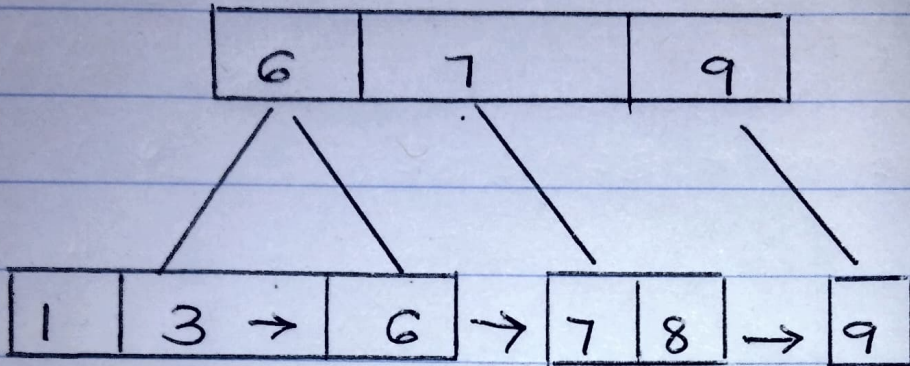


deleting 5 ↴





deleting 12 ↴



deleting 9 ↴

