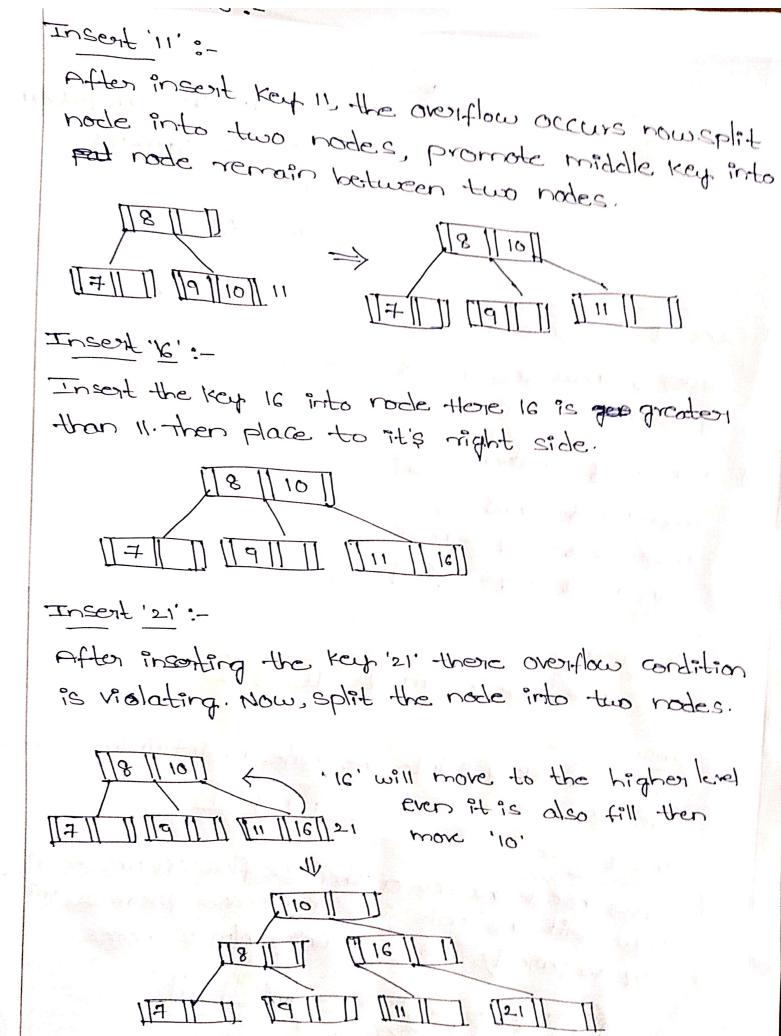
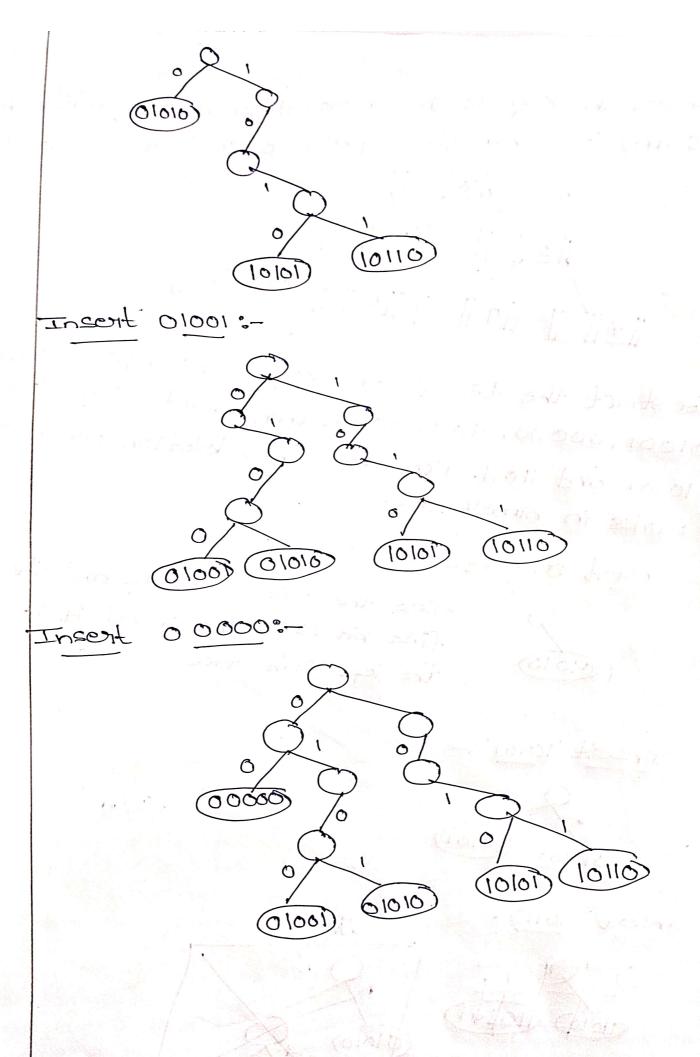
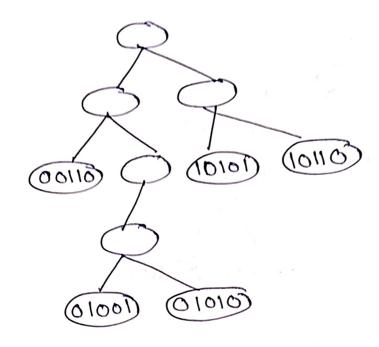
	-Assignment-II
	Name: V.D.N.S. Sai Pavar
-	Roll. no: 22 48/A12H4
	Sec : c
	Sub: ADS
	Insert the following keys into an empty B-tree of order 3 show the result step by step details 7,8
	order 3 show the result step by step details 7,8
	9,10,11,16,21,18.
<u>lo</u>	. min no at children $\left[\frac{m}{2}\right] = \left[\frac{3}{2}\right] = 2$
	max. no. of child = 3
	max. no d keys=m-1=2
	max. no de keys = $m-1=2$ min no.de keys = $\lceil \frac{m}{2} \rceil - 1$
	$=\Delta$
	Insert 7:
	Initially B-tree is empty [7]
. ,	Toget the key 8 "to as
	Order 8
	Insent-4
	After insert the key of then overflow occurs (m-i), now split the rade into two nodes. promote middle now split the rade commining blue 2 nodes.
	now split the rode Remaining blu 2 nodes.
	Key to feeler is
	[7] P P P P P P P P P
	[7] [9] [1



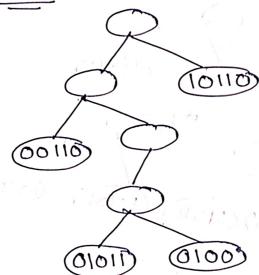
Insort 18:-Insert the key '18' into node. Here 18 is greater than 16 and less than 21. so place 18 on leftside of 21. [11] [18] [21] Construct the trie for the keys 01010,10101,10110, 01001,00000, 11011,00110, then delete key 00000, 10101 and 11011. How does the deletion process works in birosy trie. Insert 01010:-Here the trie is empty and the first bit is 0. so insent it in the left sub-tree Insert '10161's Insert 10110:-



Delete '10101' :-



Delete 11011: :-



This is A the final trie aboter deletion of element's.