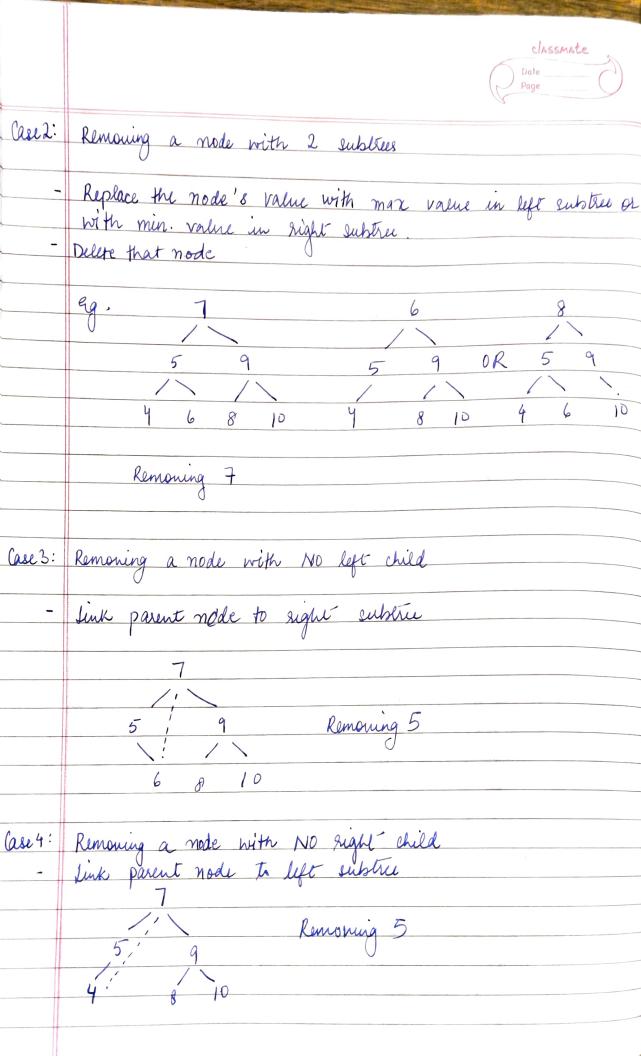


=>	Insertion into a BST
	Node1 * insert (Node1 * nost, int item) {
	if (root = = NULL) {
	Node 1 * temp = (Node 1*) malloc (sixe of (Node 1)); temp -> data = intern;
	temp -> left = temp -> sight = NULL;
	return temp;
	else y (item < root -> data) { root -> left = insert (root -> left, item);
	(Tran > solt - data) }
	Root - Right = insert (Root - Right, item); Setten Soot;
	J
=	Removal in BST
A. T.	
	Remaring a mode with 2 EMPTY SUBTREES
eg.	7
	5 9 5 9
	4 6 8 10 6 8 10
	Removing 4 > Replace the look in parent with NULL
	Removing 4 = Replace the link in parent with NULL





The complexity of operations ger (season), insert 8 remove in BST is O(h), where h is the height.

O (log n) when tree is balanced. Operations cause tree to become unbalanced.

A tree is said to be balanced if the difference in height of left & right subtree is -1,0 or 1.

Balance Factor = 4,-4R

If a BST containing n nodes is balanced, insertion, deletion & retrieval will all take O(logn) time.