

```
Leet code 1
societe the middle node of a listed list
struct listrade * deletempadle (struct listrade * head) {
     struct listable + Ptr=head;
     Stouct list Node * prepts = NULL;
     Pat count = 0;
     if thead == Nous & Mans
         return head;
     else of (head + next = = null) &
         fole (head);
         return nou;
     Pelse ?
        while (Pto! = Nou) ?
           count++;
           Pto=Pto-rnext;
        Pat n = 0 money don't source
        pto = head;
        while (n: = count/2) {
             proepto = pto;
             Pto=Pto-reat;
             144 ;
       poople - neat = pto - neat;
```

free(pta);

40	WAP (a) To constauct BST						
	(b) Traverse using morder, Postorder, Preoder						
	cos ofsplay elements in the tope						
	typedof stauct BST						
	E sat clata;						
	Stouck BST *10ft;						
	Stouck BST #189ht;						
	Inode:						
	ande *coenteco						
	E node *temp;						
	Point (" \n Enter data:");						
	temp = (node *) malloc (size of (node));						
	Scanf (" %d", I temp -> data);						
	temp + left = temp -> ofght = NUU;						
	setusa temp;						
	3						
	void insest (node * 500t, node * temp)						
	٤						
	if (temp + data = 2000 + data)						
	E and all a						
	if (200f - r (eft i = NOM)						
	Pasest (soot + left, temp);						
	else						
1	300t + lett = +lmp;						
	3						

2 × 1 × 3

Total Section of the least



```
if (temp+data > soot -> data)
          if (soot -> right! = NULL)
                Prosest ( root -> oright, temp)
          galo
               root -> right = temp;
vold mosdes (node *soot)
    if (2001; = NOM)
       inooder ( voot-reft);
       pointf("%d"; voot-+data);
       Proodes ( root + roight);
void postoodes (node *ooot)
   of (2004 1 = NOM)
       Postorder (root-steft);
       Postoader (scot + sight);
     Pointf (" %d", vod-+data;
```

```
void pseosder (node *soot)
    If (800F i = WULL)
       Porall ("%d", 3001-8 data);
       Poeoodoo (scot-sieft);
       Pacadea ( soot -> aight);
() niem blov
    500t = NUW;
    300t = Pasest (300t, 10);
    200t = Prosest (200t . 20);
    500t = Pasest (300t, 30).
    voot = Posest (voot, 95);
     TO Ot = insest (soot, 8).
     Toot : insert (500t, 12);
     500t = Pasest (500t, 16);
     Pointf (" Insertion successful in ");
     inoxes (soot);
      point ("10");
      becopes (200f);
      point ("\n");
      postordes (voot);
      Point ("\n");
```



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maritaries actions to the commen							ng Kalabang ang ang kalabang ang ang ang ang ang ang ang ang ang	and the same of th		
PCCCC CONTRACTOR CONTRACTOR	Insertion successful									
Senter Service Services	8	10	12	16	20	25	30			
THE PERSON NAMED IN COLUMN TWO		8	20	12	16	30	25			
-	10	1.7	712	25	30	20	10			
	8	16	117							

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