		Date
		SPLASH
<u></u>	Binary tree	
	# include cstdio.h>	
	# include < Stdlib.b>	
,—————————————————————————————————————	Struct node	
	3	
J	struct node * r link,	
	Struct node * r link,	
	Struct node & l. link;	
	typedet etruct node * NODE;	
	NODE getnode()	
J	2	
	NODE X;	
J	X = (NODE) mallere (Signe of Csts	und nodol);
-	sif Caz = NULL)	
. 47	1 t D C 66	
	print (66 men full (000).	
	2	
	return x;	
	25	
	void freezode (NODEX)	
	3	
	2 free (x).	
		1
	NODE insert CHOPE root, int it	um)
	NODE temp, Cur prou:	
	temp = getnode ();	
	temp > & link = NULL;	

temp -) llink = WLL; temp - info = item; if (root -= NULL) return temp; por = NULL; cur - root; while Cour (= NULL) freu = cur; cur = (item < cur -) info)? cur

-) llink; cur > rlink; if Citem < prev -> info) frev -> llink = temp; freu > rlink = temp; vaid display (NODE root, inti) int ij if (root = NULL) display (root -) rlink, itl);

for (=0, j < 1; j t t)

frint (66 32).

frint 66 / d Xn 2 root -) info);

display (root -) llink, itl); NODE delete CNOPE root, intites NORF cur, forest, q, suc;

(LIUN == toor) fi friet (60 Empty 102). perent = Will; while Couri=NULLS& item [= herent = cur; cur = (item < cur > sinfo)) cur

- Illink: cur > slink; If Cour == NULL) frint (conot found 100); if (cur -> llink == NULL) q = cur -) rlink; elre if C an -> rlink == Nul) q = ar > llinh; Suc = an -) rlink while C-Sur I link 1 = NULL) Suc = Suc - Illink; Suc -> Clint = cur -> Clink; q= an) slink; 2

if (parent == NUGL)

return of q;

if (aur == parent -) llink)

parent -) llink = q;

llse

parent -> rlink = q;

freenode (cur)

return rocot;

y void preorder CNODE troot) if (root 1 = NULL) print(", d \n") root -) info);

preorder (root -) elink);

preorder (root -) rlink);

2

Void postorder (NODE root) il Crost = NULL) fostorder (root -) Plink)

postorder (root -) rlink)

print (60.00) root -> info). void inorder ChopE most) if Coroat 1 = NULL

break;

cases: inorder (root); break;

care 6: printf ("Enter the item 10"); Sand (60%d ", d item); root = deleto (root, item);

		PageSPLASH
	break; default : assit (0); break; 3	
	2 break;	
	J	
	2)	
		-
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