Page No. Sumanth-KV 1BM1865112 Batch-6 Strict and avid int data; strict al *P struct avl *x; typedef strict avl * ax AVL; AVL W= NULL) int height (avt x) int difinheight (AVL); ANT ANTOR (BAN); AVL KLYOT (AVL) AVL 2V-N+ (AVL); AVL YL-Not (AVL); AVL balance (AVL) AVL insert (AVL, int); viorvoid inorder (AVL) int avitree: height (AVI) node) L int hei= 0 if (node] = NULL) int L-h= heigh + (node ind r-h- height (node -> r); return max (l-h, r-h) +1; () Sumanth-KV

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	AVL avl-tree: + l-not (AVL par) 1
and the same of th	AVI childs
and the same of	child= par->r;
	par-sv= ll-not (Child);
and the same of th	vehrn ry-not (par);
and the second	1
partie and the same	9
in the same of the	AVI avi-tree: balance (AVI node)
and the same of th	int batfac = difinheight (node);
Salar and Andrews	if (bal-fac>1)2
-	if Caiffeen
-	
	if (difinheight (node-sl)>0)
-	node = ll-vot (node);
	01:0
	node = lr-rot (node);
u m constituto de la constitución de la constitució	else if (bal-fac x-1) {
di Liurianian	else if (bal-fac 1)>0)
	else if (bal-fac (node-or) >0) If (difinheigh+ (node-or) >0) node = rl-rot(node)
Control of the Control	
Non-Maria Maria	else hode = rr-rot (node)
N. CORRECTION OF	7
The same of the sa	return node;
The state of the state of	7 Yeturi nam
and the same of th	3
The same of the sa	AVL aultree: insert (AVL mode, int val)?
	if (node == NUL)
Constitution of the last	node - (AVI) malloc (size of (avis)
and the second	nour action at
THE REAL PROPERTY.	node → l= NULL
-	nadent = NULL;
	return node,
	Come Con Mr. No.

Page No. Date if (val < node > data) node = balance (node); node > 1, val); if (val > node > data) node = balance(node); void ayl-tree: inorder (AVL root) { if (root] = NULL) inorder (voot > 1); (ot << robl > data; inorder (voot > v); 4) Suman th. Kr

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	AVI Ket avi tur
	AVL temp; remove (int x, AVL node) (
	if (mode == NULL)
	return NULL
	all lay Achiev I James I
	else if (x < node > data)
	The care data)
	node > last = remove (x, node >1);
	else if (x> node > data)
	node > v = remove (x, node > v);
	(I note of
	else if (node > l Rt node > r)
	temp=node->r;
	while (temp > 161 - WLL)
	Jemp-Jemp-)2;
	7 12 34 10000 5 (13)
	node → data = temp → data
	hode > rest = remove (node > data.
1	The IVA Edail rooms (soul rood soul)
	ignal Wa
	else d
	temp = node;
	if (node -> P == NVLL)
	node = node -> r)
	else if (node > r == NULL)
·(L)	node = node > l;
	delete temp
	1 (ptobs-done = 1) 11 pl
Eller .	in a short returned = to air an income
	Ff (node = - NULL)
	return NULL;
	Y C I VIII I
	(C) (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	(3) Siman th. Ki

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if (height (nodes) - height (nodesr) == 2)
if (height (node→l→l)-
if (height (node > l -> l) - height (node > l -> r) == 1) return [1: vot (node)
else return lxrot(node)
fle if (height (node-in) - height (node->l) == 2)
if (height (noder > 5) - height (noder > 1)
return rr-rot (node)
 Plse
3 return rl-vot (node)
7 return node;
6 Sumanth IKU