1BM19CS403 CHIRANTEEVI Section 'A' CSE

Insertion:

nade \* insert (struct node \*n, int docta) Street

if ( r== NOW)

strict node \*n;

n=new street noode;

n>data = data;

91-> lef f= 91-> to sight = NULL;

setwin 91;
else on-> height=1;

if Colata (8 -> data)

on -> left = insert (on-) left, data);

clu

91-) suight =insert(91-) right, data))



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## Deletion

Struct node\* delete Node (Struct node & P, int dots)

If (P=) left == Nove & P P=> sight == Nove)

If (P== this > snoot

+ his > snoot '= Nove'

outer P;

surran Nove;

**(2)** (3)

cluf.

1BM1968403 CHIRANJEEVI Street node At; Section A ESE Struct node by: if (Psdata & duta) P-seight = deletellode (P-seight, data). else of (P>data>data) P-left = delite Norde (P-) left, data). if (P>left!=NUL) 2 grinpore (p) left) P-> data = 9 > data); clie 2= insert (P> stight); Podouto = 9 -> dato) P-> suight = delete Node (P-> suight, 2-> data); if (bf (P) == 2 44 bf (P-> left)==) P = le grotoution (P)) else if (bf(P)== 9 se sof (P->lef+)==-1)

3

cluf

P= d grow tion (P);

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else of (Bf(P) == 3 st bf(P>loft) == 0)

P=llanotation (P);

P-= 9191910tion (P);

P-= 9191910tion (P);

P=llanotation (P);

P=llanotation (P);

networn Pi

3

**9**4

chif