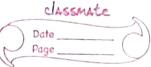
JOEL NINAN JOHNSON IBM19CS199



21/12/2020 LAB-9: Binary Search Tree Implementation Q. WAP to implement a BST with the following operations: a) Create bee. b) Traversal (Inordex / Preorder / Posturder) Street hode struct mode * left; struct node & right; struct node * create (int data) Struct nude * temp; temp = (struct-necle *) malloc (size of (struct node)); temp -> key = data; temp > left = temp > right = Nuy; selvon temp; void insert (struct hade * root, struct node *temp) if (temp > key < root -> key) if (root -) left = NULL)
insert (root -) left, temp);
else root -> left = temp.

JOEL NINAN JOHNSON classmate 1BM1908199 21/12/2020 if (temp > key > root -> key) if (root -) night 1= NULL) insest (root -> right, temp); root -> right = temp; 3 void inorder (stouck node Kroat) if (rost = Nucl) inodrex (root > lef);

printf (" old", root > key);

irosclex (root > right); void preorder (struct mode & root) 1- (sad ! = NULL) precides (xort -> tey);

precides (xort -> teff);

precides (xort -> right); Z 3

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5	Page		

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	Void postorder (struct node *root)
	3 of Canal Canal
	if (root 1 = Num)
	^
	postosder (root -> left);
	postordes (rout -> right). printf (" Tod", rout -> key);
	2 mutt (Tod , rott - key);
	2
	int main ()
	9
	char ch;
	struct node * root = Null, *temp;
	do ž
	temp = (reate (data);
	if (root == Null)
	Nout = Leny;
	else
	insert (root, temp); print f (a Do you want to entex more (Y/N)?"); getchar(); soanf (a 90 c", & ch); 3 while (ch == 'y' ch == 'Y');
	printf (a Do you want to enter more (4/N)?");
	getchar();
	seant (" Po C", & ch);
	3 while (ch == 'y' ch == 'Y');
	rebusne 0;
	3