Week-8 Write a program to construct a binary much been Traverce and display using norder, postorder, preorder #include < stdio. h> Hinlude < etdlib h> sterrt Node int data: struct Norde teft int the stand of the sterrt Node* right: stant Node * rewNode (int data) strut Node + rade = (strut Node +) malloc (size of (strut Node)); data = dotaisel = god los → left = node -> eight = NULL's 7 stemt Node * insert (etemet Node * root, it data) root → left - neert (root - left, edita) eleo evot - right = isest (soot - right, data); void noeder (strut Nede * temp) if (temp == NULU)

inorder (temp -> left);

norder (temp - eight)

printf ("/d", tenp -> data)

CLASSMAte void preorder (strut Node * temp) if (temp == NULL) printf (" /d ", temp -> data); proveder (temp - left); preveder (temp -> right); void portorder (Steut Nede * temp) if (temp == NULL) postorder (timp - left); postorder (temp - right) printf ("/d", temp -> data); void main () Extenti took down to de Duxni * class to d strut Node * Root = NULL; it data, choice; (JJUM == toos) ti root = insert (root 2 00)); I sugar aguit root = insert (root (10); to root = insert (root, 5); soot = neert (root, \$15); root = insert (root, 40); root = insert (root, 30); root = insert (root, 50); printf ("in the norder travereal is: inorder (root); printf("\n"); printf ("In the preorder travereal is . In") preorder (root); printf('In');