15/2/24 · WEEK-8 Tree # include < stdio .h> # include < stallet. h > stent Node & stant Mode * left;

stant Mode * right; strut Node * seateNode (int pay) &
struct Node * newNode : (Struct Node *) malloc sijed (strut Node)); menthode 7 Key: Key; setum merlode i merlode - sight = NULL; stant Node * insert (stant Node * root, unt Rey) if (soot == NULL)

setum weate Norle (Rey);

if (Ky < soot -) Ky)

soot -) left insert (soot -) left Key),

else if (key > soot -) ky)

soot -) left = insert (soot -) left by); seturn soot; youd inolder Tracessal (struct Node * soot) {

if (soot!=NULL) {

postorder Tracessal (soot -> left);

postorder Tracessal (soot -> sight);

} void fostordes Erversal (strut Node * loot) &

if (soot 1=NVLC)

fostordes Erversal (soot -) left);

fostordes Erversal (loot -) I sight);

flintf ("7.d", Root -) bey);

3 int main () { toole # soot = NULL; int choice element; path ("charle spesstion: 1m"); but ("1. Ensest Element Im"); buill'2. Enriles Encella"); Gutl (3 - Resider Traveral (); with ("4. lostorder Enerella"); Jent ("5; Ent 10"), prints ("Enter your shoul"); scarf ("1. 1", I shoul); switch (choice) { first (" Fontes the element to ensest");

Sout = insert (sout element);

by sk; frith ("Inorder traversal"); prent (" /m");

blak; ("Reorder teneral");
break; printf ("Proorder traveral");

preorder (soot); psent ('Sostoedes travessel');

postoedes travessel (soot)'

break; beint ("Exit plagsam. In"); break; flith (" Invalid show (n"); Buhile (choice !=5)

classmate WEE K-8 Output: Menue element into true e tree elements in moides traveal infut: 100 200 1500 300 mordes trovesal 10-7 20-370-7 100-7150-7200-700 100720710770720071507700 postordes traveral 107 707207110770072007100