

| LP#10: | wap a) To construct a binary securch tree b) To traverse the tree vising au the methods (inorder, preprair, postorder) o) To display the eleventher | | |
|--------|---|--|--|
| | in the tree . There was a proper of the same | | |
| | # include (stdio.h) | | |
| | #include (Stdlib.h) | | |
| | smut node { | | |
| | int injo; | | |
| | smuct node *Mink; (basel unique of a | | |
| | Shud-node + llink; | | |
| | \$: | | |
| | typedel struct node * NODE: MININI ! Him : HIM | | |
| | NONE gernode () { | | |
| | NODE x; | | |
| | x = (NODE) malloc (size of (smut node)). | | |
| | $i_{1}(x == NULL) $ | | |
| | print ("mem full \n"); | | |
| | exit(o); | | |
| | } | | |
| | return 2; | | |
| | } | | |
| | Void franode (NODE x) { | | |
| | (nu(x); | | |
| 7 | } | | |

| | . (| |
|------------------------------|-------------------------------------|---|
| NOOF UNSELT (NOOF MOOL | intitem) { () | |
| NOOF temp, cu, puv; | brail to | Ţ |
| _tump = getnode(); | (Come die 'er ! !) prim | |
| temp -> rlink = NULL; | A - Carl state - will make | |
| kmp → llink = NUL; | 5 | I |
| temp → into = item; | | |
| if (root == NULL) | & (stone stone) I have stone o may | |
| return temp; | 3 (35): N = 1 400 × 1 | |
| pnew=NULL; | MONARE L' VILLA VILLE - 21960). | |
| uu = 200t; | Demonstrat 1 rook as 1 cox) | |
| while (us! = NULL) } | 1 Garantes (root - shink) ? | |
| phev = cul; | | |
| , |)? cus -> llink : cus -> rlink ; | |
| } | (cont more plan (voor mor) \$ | 8 |
| if (item < prev → ingo) | () (mot ! = Nuic.) i | |
| prev→llink = temp: | more that read a finise) | |
| else prov -> rlink =temp | | |
| | Market Mar not weeks | |
| 3 | § 1 | |
| | § § | 1 |
| void display (NODE-wot, in | | |
| voia aisplay LIVUDE JUDE, II | R (Asim All VI Alley & Larin | |
| | | |
| int s; | N | |
| int s; if (root!=NULL) { | (14); (3) 14 Ann (14) 1 | I |

| for (j=0; j(i;j++) | the John Holy made up |
|--|------------------------------|
| print (" "); | The Court of the politice of |
| printy (" t.d \n", root -> into? | |
| display (root → 11ink, i+1) | • |
| } | - JUM - MULL - DO |
| A STATE OF THE STA | May - Unite ans |
| void proposal (NODE root) { | 1 years + - while y |
| if (root!=NULL) { | with the wife is |
| print ("Y.d\n" root -> info) | i Aloneus |
| priorides (root > llink); | - 4574 - 11 |
| preonder (root -> rlink); } | 12 (11) = NUCL) } |
| for the second s | Hips Alk to |
| MA SAIN & WAS STAR . MILLER | S (oder - un > moli) ? |
| void postorder (NODE nout) { | |
| ib (rout!=NULL) { | Comic-vons man |
| postorder (root -> Wink); | ansal - milleria |
| postondu (not -> niñk); | ores - same - Herry. |
| pnnitflydin, not -into); | - from trust |
| 7 | |
| } | |
| 1 | t the mage south pungain to |
| Void inorder (NODE mot) } | - 1 |
| illmot!=NULL) { | 1 Carmet govern |

| | 4 | |
|--|----------|-------|
| print([Y.d \n", rout -> into); | | |
| inorden (not-nink); } | 1 | |
| 3 (61 Just - June 1) | 1 | |
| 3 | ij | |
| int main () { | 1 | - |
| int item, choice; | | |
| NODE NUL ; | | |
| do | | |
| \{\bar{\}} | li . | |
| print ("\n1-insert \n2-display \n3. preorder \n1. postorder \ | и5-in | brder |
| \n6. exit\n'); | 1 | |
| | 1) | |
| prints (" enter the choice \n"); | | |
| scanf ("Y.d", schoice); | | |
| switch (choice) | | |
| 1 | 1 | |
| case 1 = print ("enter the item\n"); | , | |
| sranf ("Y-d", Litem); | H H | |
| root=insut (root, item); | ii Ii | |
| break; | 1 | |
| case 2: display (not, o); | | |
| break; | 1 | |
| case 3: preorder (not); | | |
| break; | 1 | |
| case 1: inorder (not); | į | |
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| II and the second of the secon | | |

| 12 32 | Page |
|--|--|
| (100) | 0/01 |
| | |
| | - (music 400x m/h) |
| | break; |
| | case 1: break; |
| | defaut: exitio); break; |
| | } (\) |
| | } |
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| get a city | The said of the said the said the said that a said the sa |
| Comments of the Comments of th | (* N/ 1/1 ° .) ; |
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| | cutation of the like My |
| | Sout - incut (year , them) |
| | per de la company de la compan |
| | ita dan junaan ito |
| - | in a second |
| | See (Aggr) Astronom : Es |
| | |
| | I was less break ? |