ABSIGNMENT - 4

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Reg NO 1 192311246

Course: Data Structure for Stack overflow.

Course code : CS A0389.

```
bevelop a c program to implement the Tree traversals
(morder, Preorder, Post order).
   # andude Zitdio. h)
   # andude < sealleb.h).
   Structure node s
        ant data : took " / s. " ) I dan
         Strud wate * Left;
        struct node * Right;
  Struct Node 4 create Node (Int data) é
    truct node * node = (struct node*) malloc (5:30 6
           (druct stode));
     new node - data = data;
     new node - + Left = null;
     now node - + right = null;
     roturn neurode . . . . .
   usid traversal (Struct mode * root) &
   if (root = = NULL).
     In order Traversal (most - + Latt);
```

```
Print & (" ".d ", Good -> data);
 Evergentrances of (2004 -) 1844);
used Preorder Traversal (struct welc + root) &
    of (goot == NULL)
                          J. Stoir Bruthmals
    Print of (" 1.d" goot - data);
   Preorder traversal (goot -> Left);
    Preorder traverial (goot - right);
 void Postander travers al Cotrud made +000+) &
     A (moot == nucc)
retarn tout = and 4 short
     Postorden traversal (noof -) (eft);
     Post order traversal (most - Arght);
     Print ("1.d", noot -> dota);
 ent main () Eller the trip
  struct node + 9100t = Create node (i);
   goot -> Lest = create Node (2);
```

good -> Right = - create node (3); goot - Left - Create node (W); groot - Left -> right = Create node (5); (16) (Jones) Provinces value

Print & (" Inorder travorsal "); anorder fravers al (most); Prant & ("10"); Print & (" preorder Traversal: "); Preorder Traverial (900t); Pront of (" (n "); Prontf (" Postordon Travescral: "); Postorder Travery al (900t); buy ((" ("); Oreturn o; Input: create the tree.

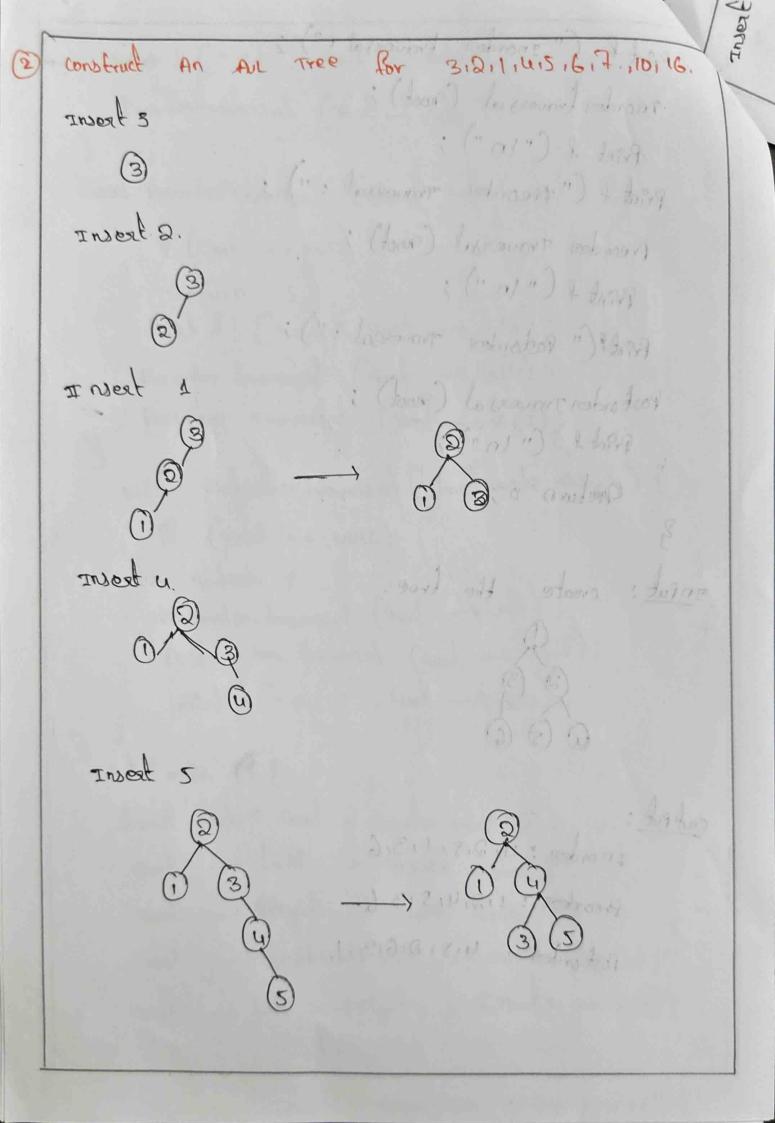
0 0 0

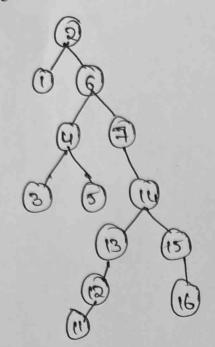
Outrat:

Triorden: 112,4151316

Preorden: 112,4151316

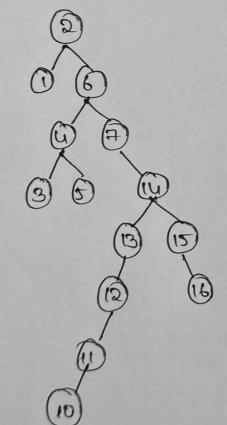
Postorden: 41518161311,





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After rotation Final

