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#include <stdio.h>
#include <stdlib.h>
typedef struct Node {
    int data;
    struct Node *left, *right;
} node;
node *Create (int data) {
    node *temp;
    temp = (node *) malloc (sizeof (node));
    temp->data = data;
    temp->left = temp->right = NULL;
    return temp;
}

void inorder (node *root) {
    if (root != NULL) {
        inorder (root->left);
        printf ("%d", root->data);
        inorder (root->right);
    }
}

void preorder (node *root) {
    if (root != NULL) {
        printf ("%d", root->data);
        preorder (root->left);
        preorder (root->right);
    }
}

void postorder (node *root) {
    if (root != NULL) {
```

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postorder (root -> left);
postorder (root -> right);
printf ("%d", root -> data);
}

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void insert (node *root, node *temp) {
    if (temp -> data < root -> data) {
        if (root -> left != NULL)
            insert (root -> left, temp);
        else
            root -> left = temp;
    }
    if (temp -> data > root -> data) {
        if (root -> right != NULL)
            insert (root -> right, temp);
        else
            root -> right = temp;
    }
}

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int main (void) {
    node *root = NULL, *temp;
    int choice = 0;
    while (choice != 2)
    {
        temp =
        printf ("1 - Insert\n");
        printf ("2 - Exit\n");
        printf ("Enter your choice : ");
        scanf ("%d", &choice);
        if (choice == 1)
        {

```



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int val;
printf ("Enter value : ");
scanf ("%d", &val);
temp = create(val);
if (root == NULL)
    root = temp;
else
    insert.(root, temp);
}
else if (choice == 2)
    break;
else
    printf ("Invalid choice\n");
}
printf ("Inorder traversal:");
inorder(root);
printf ("\n Preorder traversal:");
preorder(root);
printf ("\n Post order traversal:");
postorder(root);
}

```