```
#include <stdio.h>
 #include <stdlib.h>
Etypedef 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)
     postorder(root->left);
     postorder (root->right);
     printf("%d ", root->data);
```

```
X tree.c X
  |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;
  Bint 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)
             int val:
             printf("Enter value;");
             scanf("%d", sval);
             temp = create(val);
             if (root == NULL)
             ---
```

```
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)
        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("\nPreorder traversal: ");
preorder (root):
printf("\nFostorder traversal: ");
postorder (root) ;
```