18. Write a C program to implement the Tree Traversals (Inorder, Preorder,

Postorder)

```
#include <stdio.h>
#include <stdlib.h>
struct Node {
  int data;
  struct Node *left, *right;
};
struct Node* create(int data)
{
  struct Node* temp = (struct Node*)malloc(sizeof(struct Node));
 temp->data = data;
 temp->left = temp->right = NULL;
  return temp;
}
void inorder(struct Node* root) {
  if (root) {
   inorder(root->left);
    printf("%d", root->data);
   inorder(root->right);
 }
}
void preorder(struct Node* root) {
  if (root) {
    printf("%d", root->data);
    preorder(root->left);
```

```
preorder(root->right);
 }
}
void postorder(struct Node* root) {
  if (root) {
    postorder(root->left);
    postorder(root->right);
    printf("%d", root->data);
 }
}
int main() {
  struct Node* root = create(10);
  root->left = create(5);
  root->right = create(20);
  root->left->left = create(3);
  root->left->right = create(7);
  root->right->left = create(15);
  printf("Inorder Traversal: ");
  inorder(root);
  printf("\n");
  printf("Preorder Traversal: ");
  preorder(root);
  printf("\n");
  printf("Postorder Traversal: ");
  postorder(root);
```

```
printf("\n");
return 0;
}
```

Output