1. Write a program to traversal preorder, inorder, postorder of a binary tree using link inversion.

```
#include <stdio.h>
#include <stdlib.h>
struct node {
   int element;
   struct node* left;
   struct node* right;
};
struct node* createNode(int val)
    struct node* Node = (struct node*)malloc(sizeof(struct node));
    Node->element = val;
    Node->left = NULL;
    Node->right = NULL;
   return (Node);
}
void traversePreorder(struct node* root)
{
    if (root == NULL)
       return;
   printf(" %d ", root->element);
   traversePreorder(root->left);
   traversePreorder(root->right);
}
void traverseInorder(struct node* root)
{
   if (root == NULL)
       return;
    traverseInorder(root->left);
   printf(" %d ", root->element);
   traverseInorder(root->right);
}
void traversePostorder(struct node* root)
{
    if (root == NULL)
       return;
   traversePostorder(root->left);
   traversePostorder(root->right);
   printf(" %d ", root->element);
}
int main()
    struct node* root = createNode(36);
    root->left = createNode(26);
```

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root->right = createNode(46);
    root->left->left = createNode(21);
    root->left->right = createNode(31);
    root->left->left->left = createNode(11);
    root->left->left->right = createNode(24);
    root->right->left = createNode(41);
    root->right->right = createNode(56);
    root->right->right->left = createNode(51);
    root->right->right = createNode(66);
    printf("\n The Preorder traversal of given binary tree is -\n");
    traversePreorder(root);
    printf("\n The Inorder traversal of given binary tree is -\n");
    traverseInorder(root);
    printf("\n The Postorder traversal of given binary tree is -\n");
    traversePostorder(root);
   return 0;
}
```

Output

```
The Preorder traversal of given binary tree is -
36  26  21  11  24  31  46  41  56  51  66
The Inorder traversal of given binary tree is -
11  21  24  26  31  36  41  46  51  56  66
The Postorder traversal of given binary tree is -
11  24  21  31  26  41  51  66  56  46  36
```