```
//Created By Ritwik Chandra Pandey on 24/03/21
//183215
//Preorder Traversal in n-ary tree



#include <stdio.h>
#include <stdlib.h>



struct node
{
   int data;
   struct node *first;
   struct node *next_sibling;
};

/* frunction prototypes */

void Preorder(struct node* n)
{
   struct node *c;
   if(n!=NULL){
      printf("%d ", n->data);
   }
   c = n->first;
   while(c!=NULL){
      Preorder(c);
      c=c->next_sibling;
   }


      }

struct node* newNode(int k){
   struct node* temp = (struct node*)malloc(sizeof(struct node));
```

```
    temp->data = k;
    temp->first = NULL;
    temp->next_sibling = NULL;
    return temp;
}
/* Driver program to test above functions*/
int main()
{
    struct node *root = newNode(01);
    root->first       = newNode(12);
    root->first->next_sibling      = newNode(13);
    root->first->next_sibling->next_sibling  = newNode(14);
    root->first->next_sibling->next_sibling->first = newNode(25);
    root->first->next_sibling->next_sibling->next_sibling = newNode(15);
    root->first->first = newNode(26);
    root->first->first->next_sibling = newNode(27);
    root->first->first->first = newNode(38);
    printf("Pre Order traversal of the tree is \n");
    Preorder(root);

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