```
C Untitled-1.c X
       C: > Users > dhruvam02 > OneDrive > Desktop > C Untitled-1.c >  main(void)
              #include <stdio.h>
              #include <stdlib.h>
              typedef struct Node {
                int data;
                struct Node *left, *right;
              ] node:
              node *create(int data) {
品
                node *temp;
                temp = (node*)malloc(sizeof(node));
        11
                temp->data = data;
        12
                temp->left = temp->right = NULL;
        13
                return temp;
        15
        17
              void inorder(node *root) {
                if (root != NULL) {
        18
                  inorder(root->left);
                  printf("%d ", root->data):
        20
                  inorder(root->right);
        21
        22
        23
        24
              void preorder(node *root) {
        25
                if (root != NULL) {
        26
                  printf("%d ", root->data);
        27
                  preorder(root->left);
        28
                  preorder(root->right);
        29
        30
        31
        32
```

```
> Users > dhruvam02 > OneDrive > Desktop > C Untitled-1.c > main(void)
31
32
     void postorder(node *root) {
       if (root != NULL) {
          postorder(root->left);
35
          postorder(root->right);
          printf("%d ", root->data);
37
40
      void insert(node *root, node *temp) {
41
        if(temp->data<root->data){
42
          if(root->left!=NULL)
43
               insert(root->left,temp);
44
45
           else
               root->left = temp;
 46
 47
         if(temp->data>root->data)
 48
 49
             if(root->right!=NULL)
 50
               insert(root->right,temp);
 51
 52
             else
 53
               root->right=temp:
  54
  55
  56
       int main(void) {
  57
          node *root = NULL,*temp;
  58
  59
  60
          int choice = 0;
          while(choice != 2)
  61
   62
```

```
C Untitled-1.c X
C: > Users > dhruvam02 > OneDrive > Desktop > C Untitled-1.c > main(void)
        int choice = 0;
        while(choice != 2)
            printf("1 - Insert\n");
            printf("2 - Exit\n");
            printf("Enter your choice:");
            scanf("%d",&choice);
            if(choice==1)
70
                int val;
71
                printf("Enter value:");
72
                scanf("%d",&val);
                temp = create(val);
                if(root==NULL)
75
                   root=temp;
76
                else
78
                   insert(root,temp);
79
            else if(choice==2)
80
              break;
82
            else
              printf("Invalid choice\n");
84
        3
        printf("Inorder traversal: ");
        inorder(root);
90
        printf("\nPreorder traversal: ");
91
        preorder(root);
```

```
C: > Users > dhruvam02 > OneDrive > Desktop > C Untitled-1.c > 😚 main(void)
                   root=temp;
                 else
                   insert(root, temp);
            else if(choice==2)
              break;
            else
              printf("Invalid choice\n");
84
        printf("Inorder traversal: ");
        inorder(root);
        printf("\nPreorder traversal: ");
       preorder(root);
       printf("\nPostorder traversal: ");
       postorder(root);
95
```