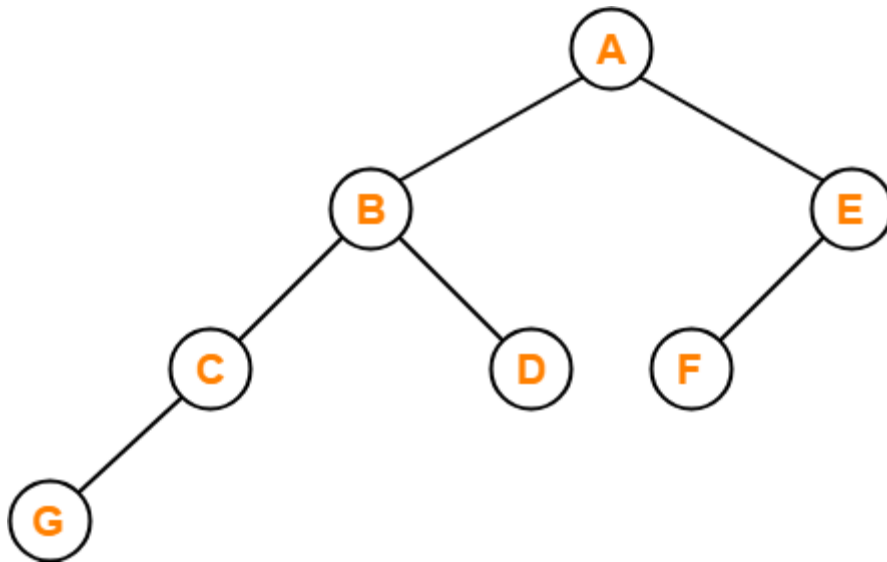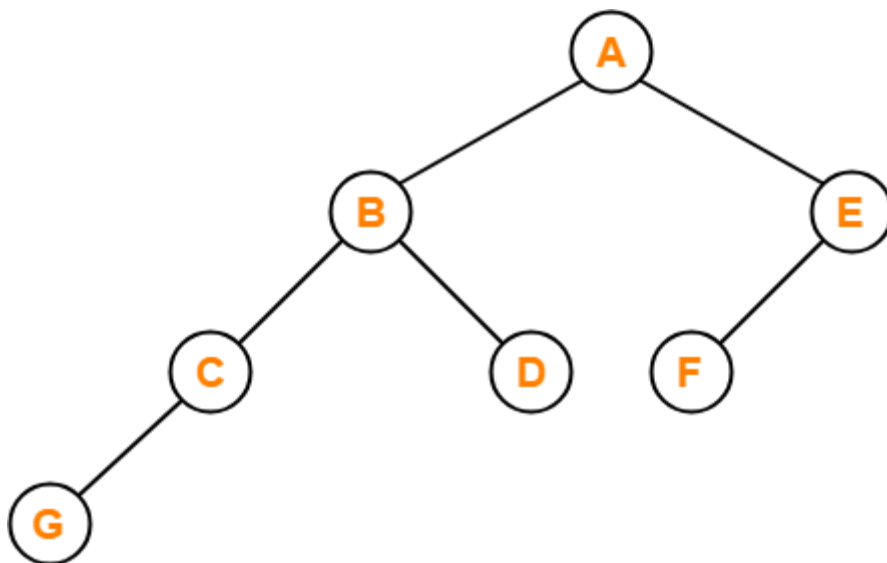# Problem-01:

If the binary tree in figure is traversed in inorder, then the order in which the nodes will be visited is ____?

Problem-02:

Which of the following sequences denotes the postorder traversal sequence of the tree shown in figure?

1. GCBDAFE
2. GCDBFEA
3. FDEGCBA
4. FEGCBDBA

Problem-03

Let LASTPOST, LASTIN, LASTPRE denote the last vertex visited in a postorder, inorder and preorder traversal respectively of a complete binary tree. Which of the following is always true?

1. LASTIN = LASTPOST
2. LASTIN = LASTPRE
3. LASTPRE = LASTPOST
4. None of these

Problem-04

Which of the following binary trees has its inorder and preorder traversals as BCAD and ABCD respectively-

A)

```
        A
       / \
      B   C
         /
        D
```

B)

```
        A
       / \
      C   D
     /
    B
```

C)

```
    A
     \
      B
     / \
    C   D
```

D)

```
        A
       / \
      B   D
       \
        C
```