BINARY TREE
TRAVERSAL

Preorder traversal

1) Root
2) Left Subtree
3) Right Subtree
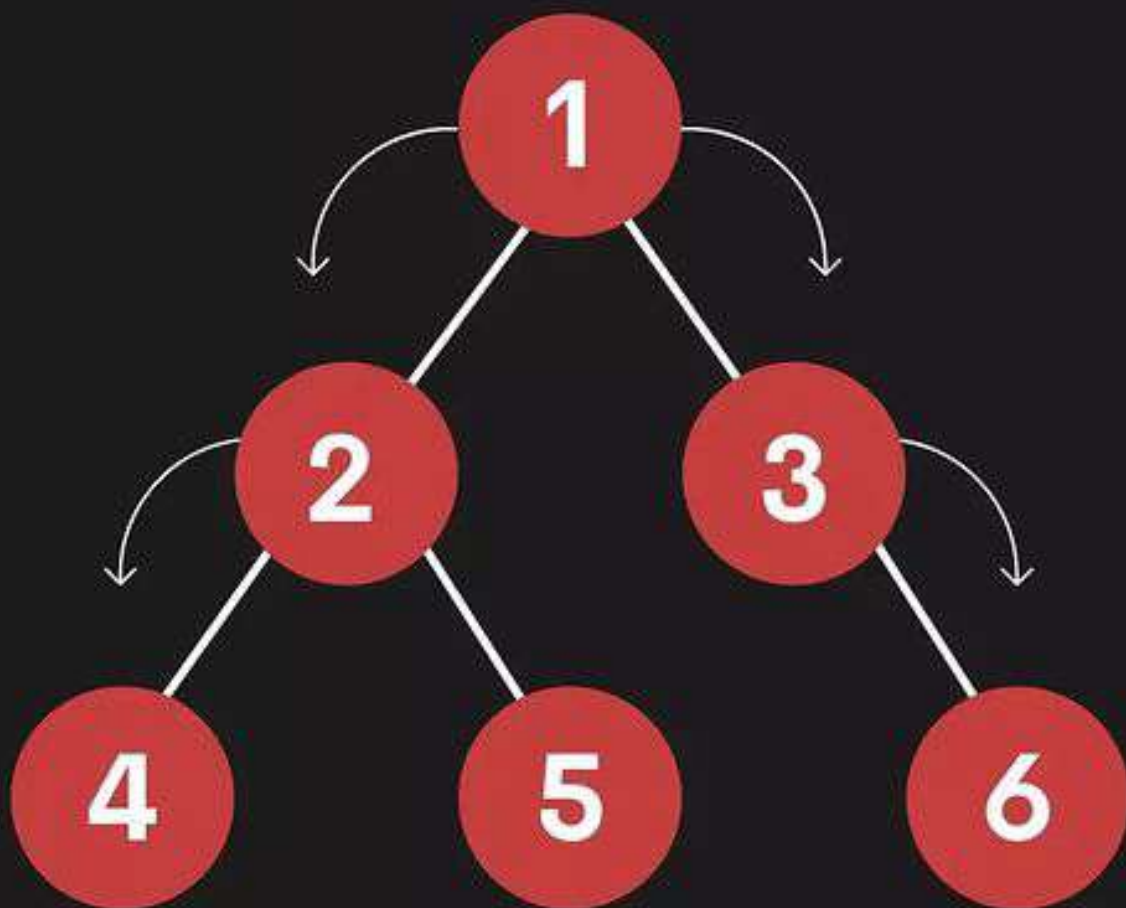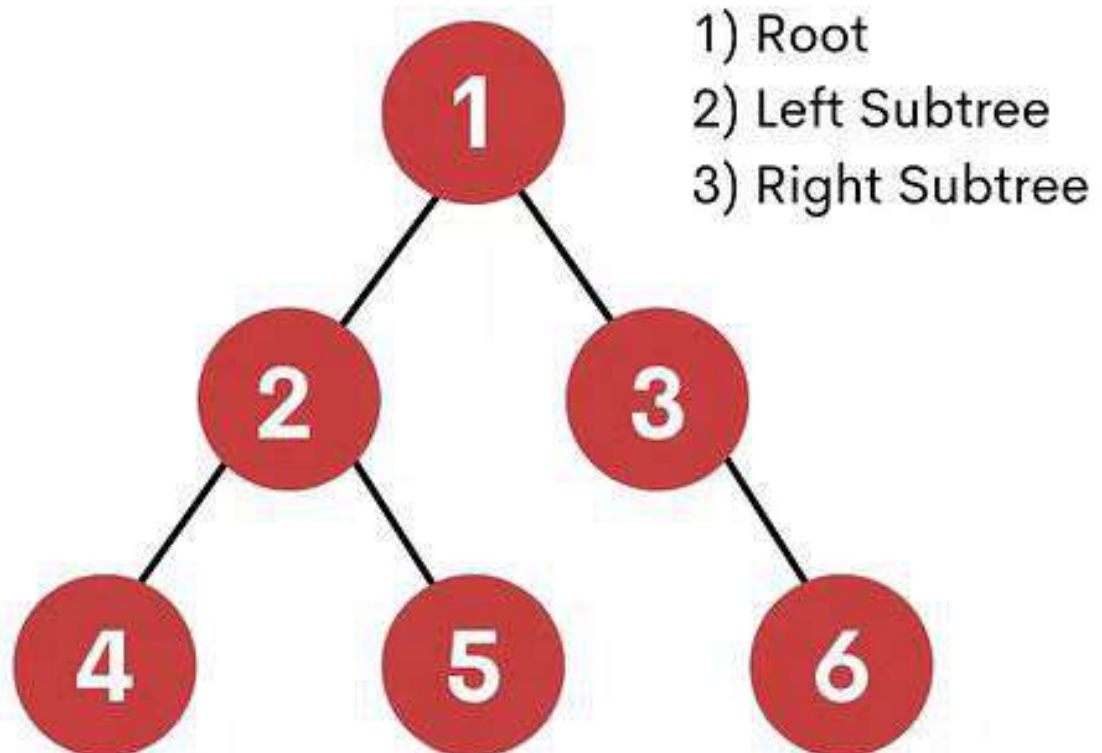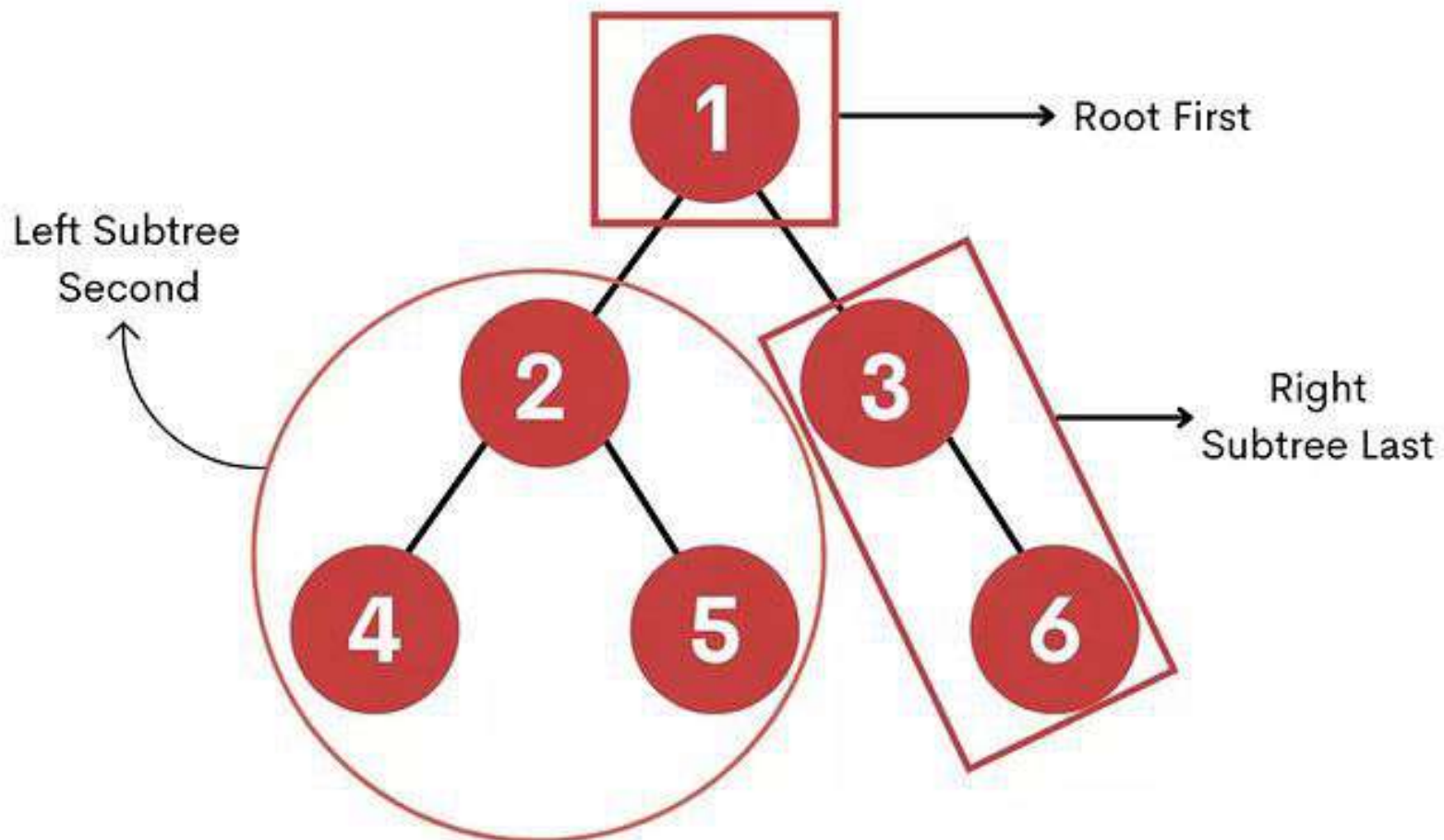
In Pre-order traversal first travel to the **Root** then we travel to **Left Subtree** then the **Right subtree**
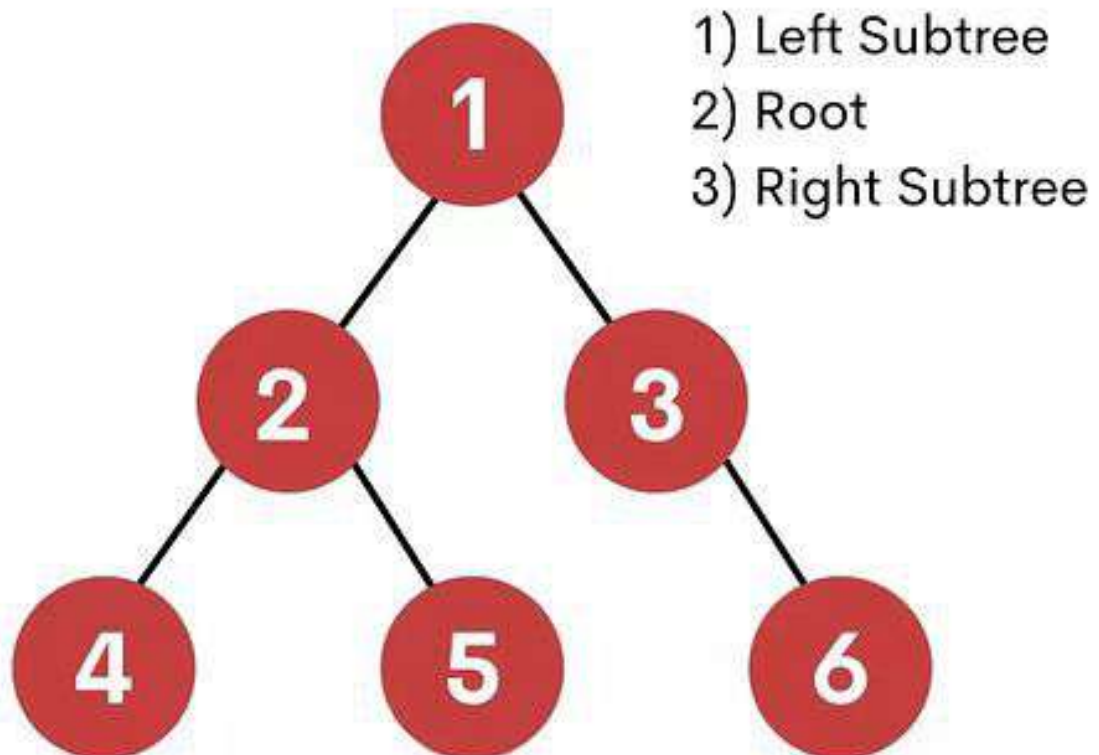
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Preorder traversal

Root First

Left Subtree
Second

Right
Subtree Last

1

2   3

4   5   6

Preorder sequence

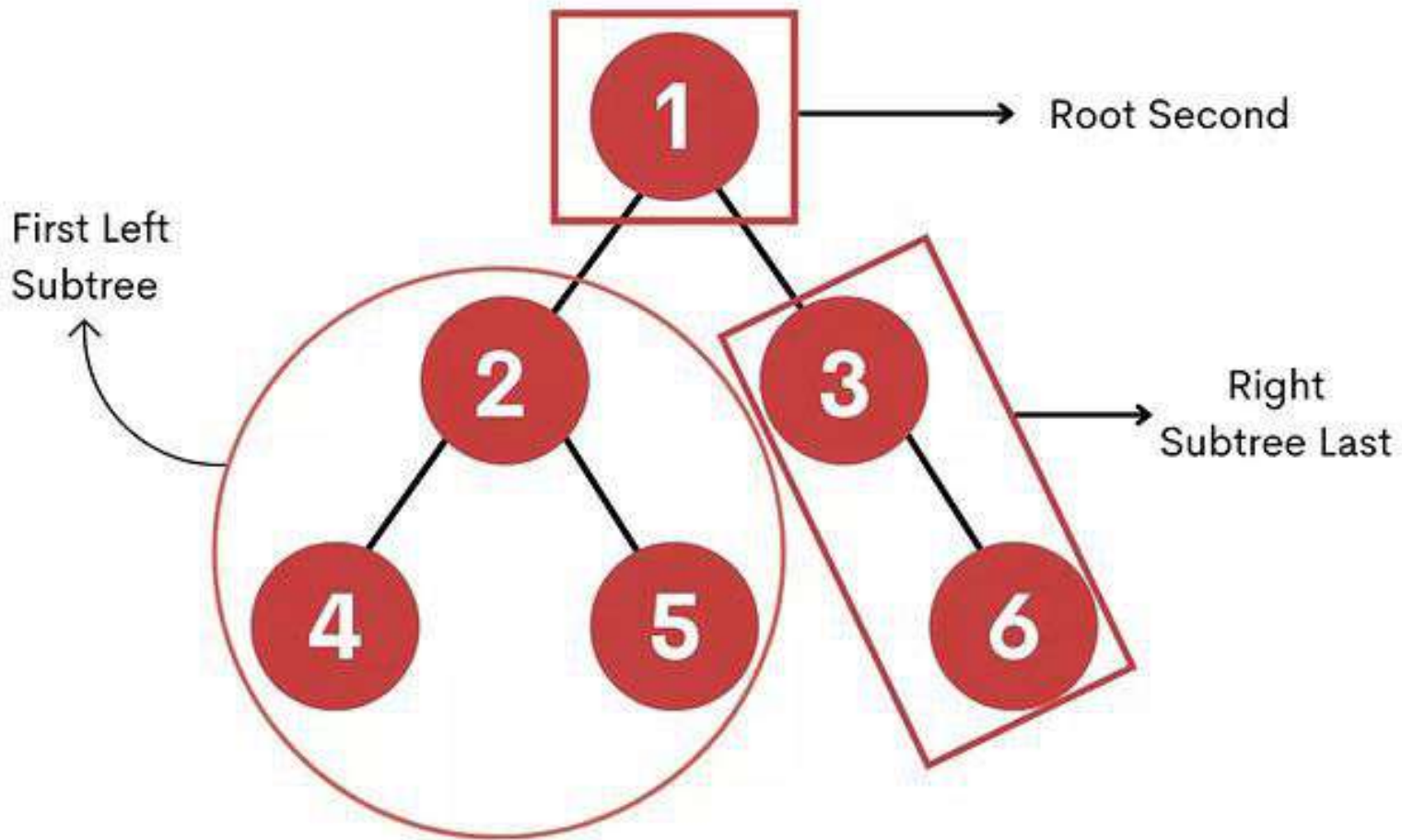| 1 | 2 | 4 | 5 | 3 | 6 |

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Inorder traversal

1) Left Subtree
2) Root
3) Right Subtree

It's in-order traversal because the root comes in middle first we travel to the **left subtree** then the **root** and then the **right subtree**
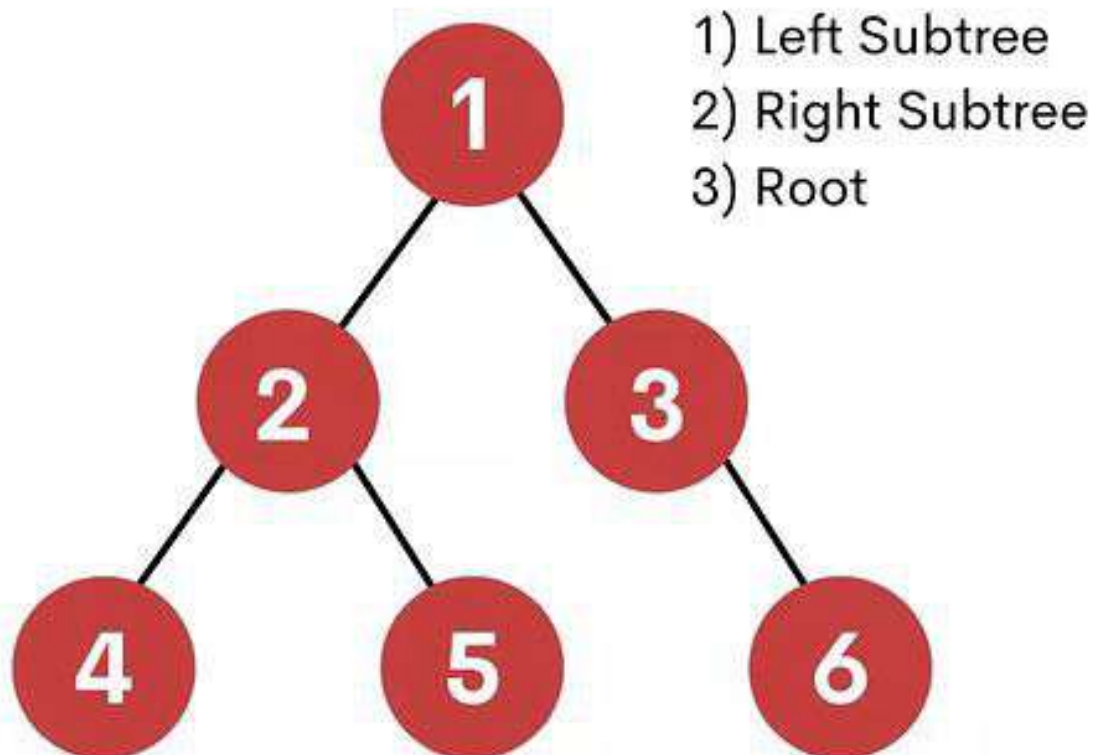
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Inorder traversal

Root Second

First Left
Subtree

Right
Subtree Last

Inorder sequence

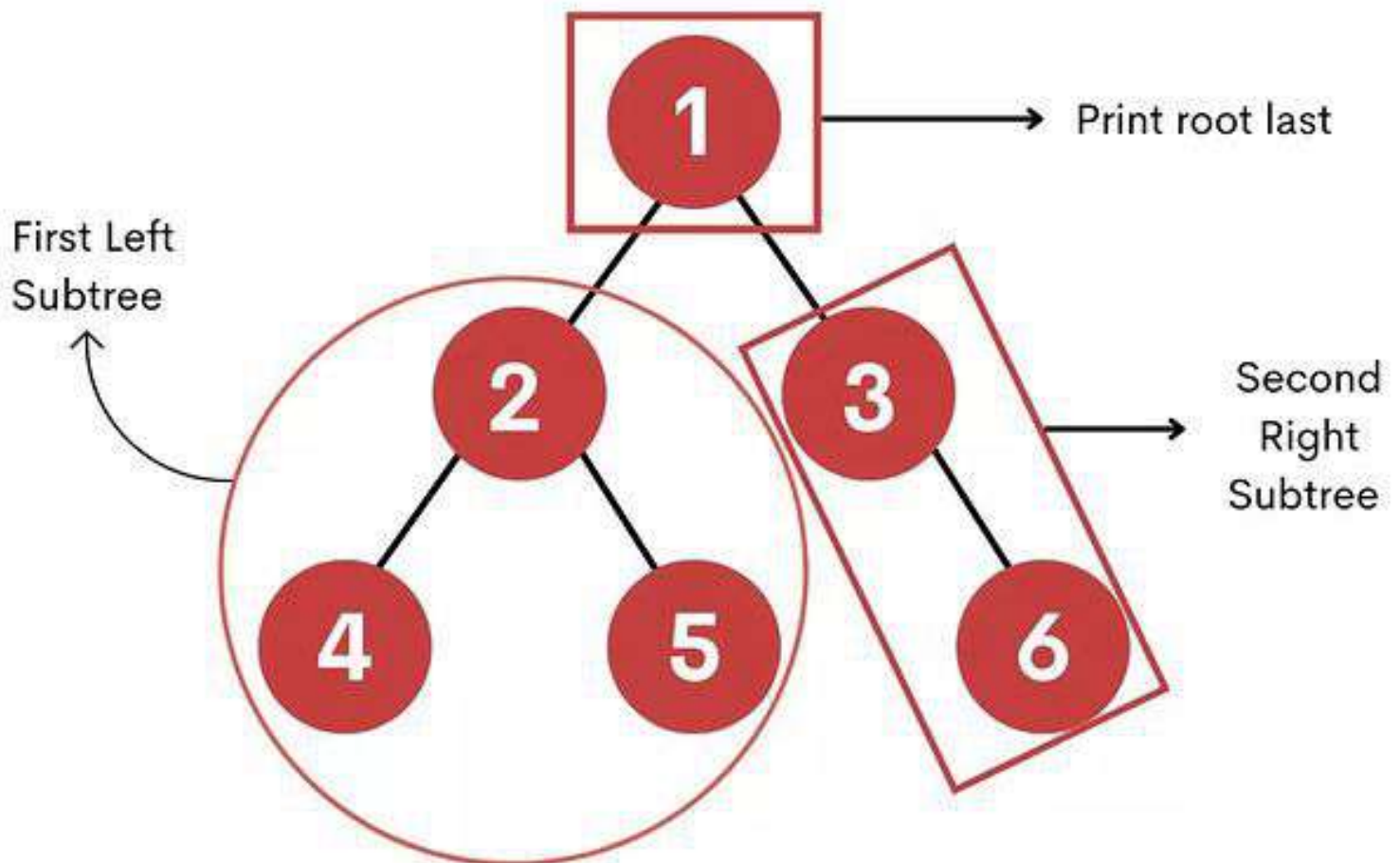| 4 | 2 | 5 | 1 | 3 | 6 |

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Postorder traversal

1) Left Subtree
2) Right Subtree
3) Root

It's Post-order traversal because the root comes last first we travel to the **left subtree** then to the **right subtree** and then to the **root**
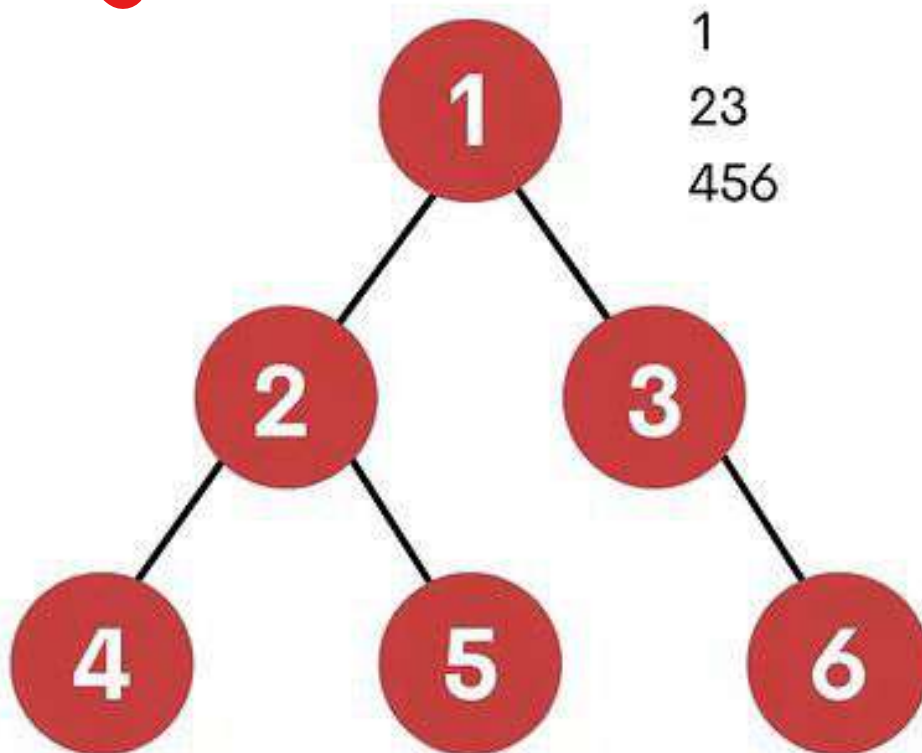
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Postorder traversal

Print root last

First Left Subtree

Second Right Subtree

Postorder sequence

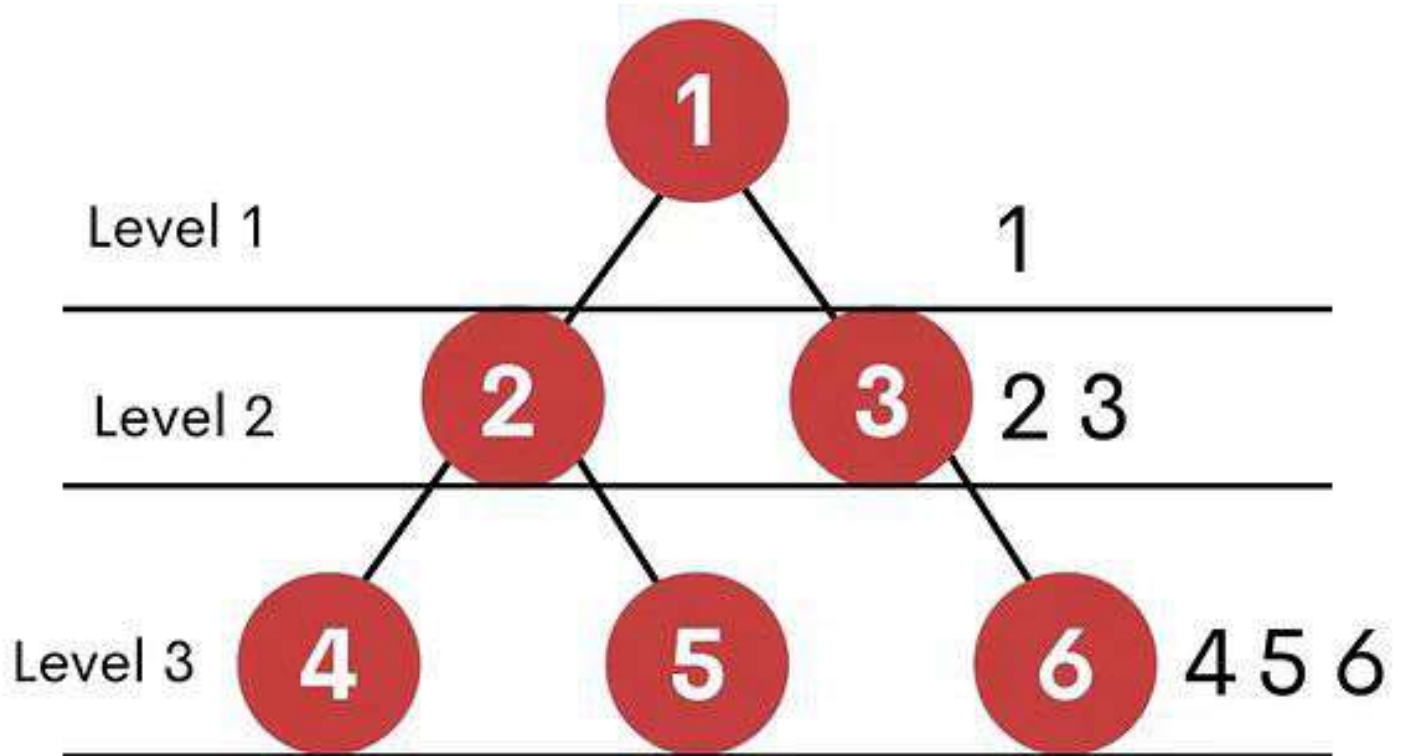| 4	5	2	6	3	1

Levelorder traversal

1
23
456

In Level Order traversal we print the data level-wise Very important this question was asked in Microsoft, google, facebook

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Level–order traversal

Level 1   1

Level 2   2 3

Level 3   4 5 6

Level order sequence

1	2	3	4	5	6