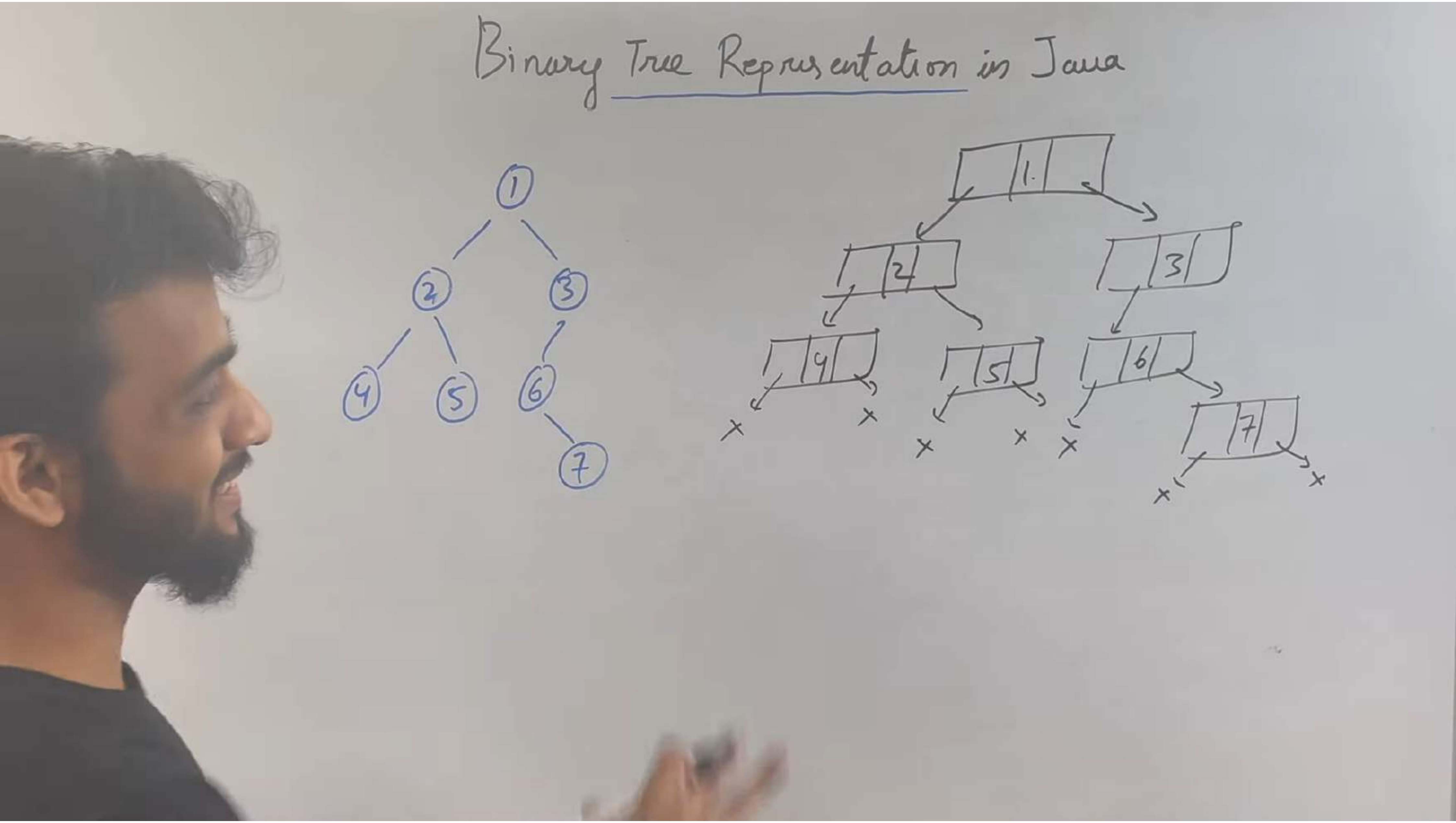
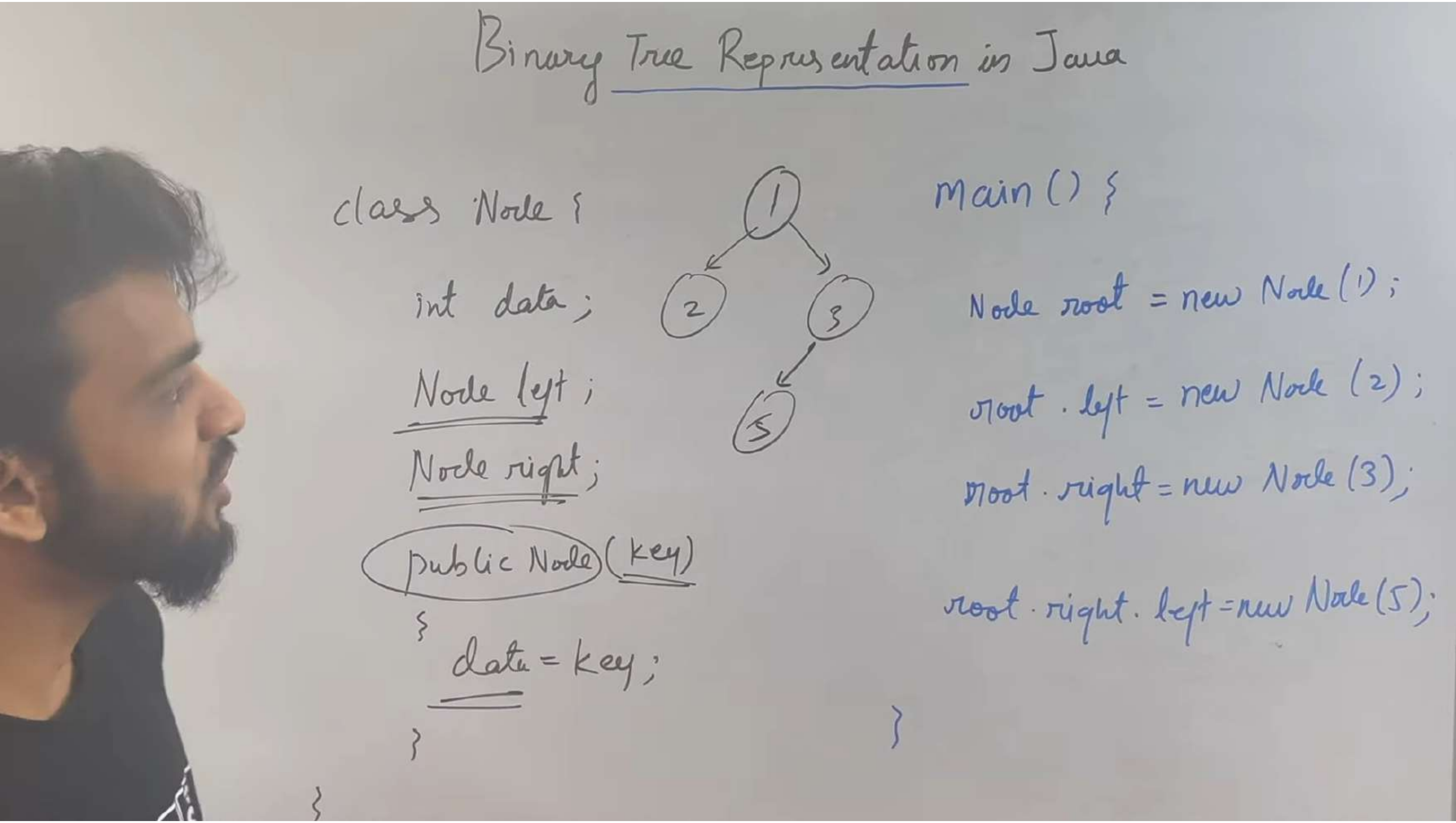


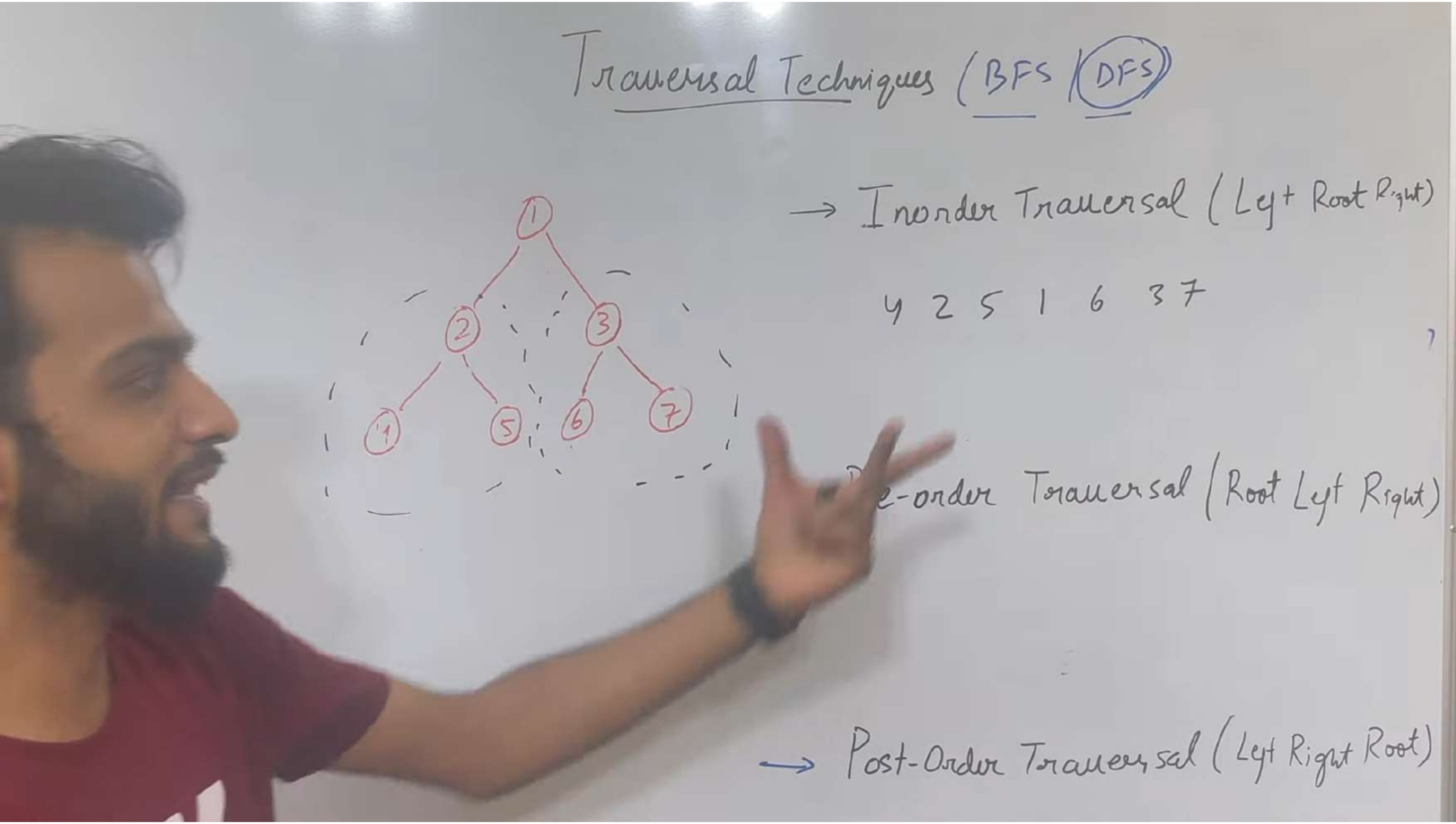
Binary Tree Representation in Java



Binary Tree Representation in Java

```
class Node {

    int data;

    Node left;
    Node right;

    public Node(key)
    {
        data = key;

    }
}
```

```
main() {

    Node root = new Node(1);

    root.left = new Node(2);

    root.right = new Node(3);

    root.right.left = new Node(5);

}
```



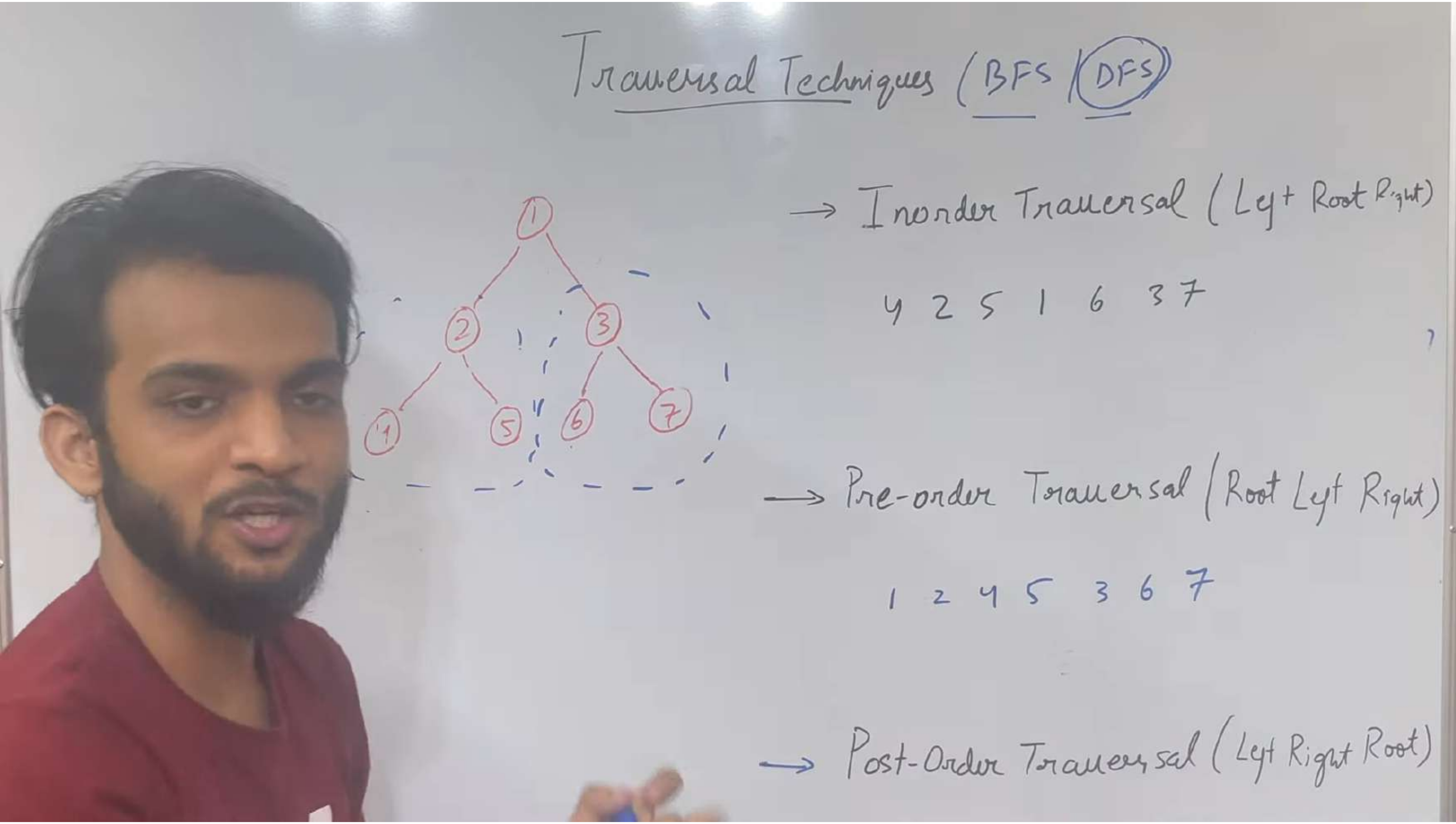
Traversal Techniques (BFS / DFS)

→ Inorder Traversal (Left Root Right)

4 2 5 1 6 3 7

→ Pre-order Traversal (Root Left Right)

→ Post-Order Traversal (Left Right Root)



Traversal Techniques (BFS / DFS)

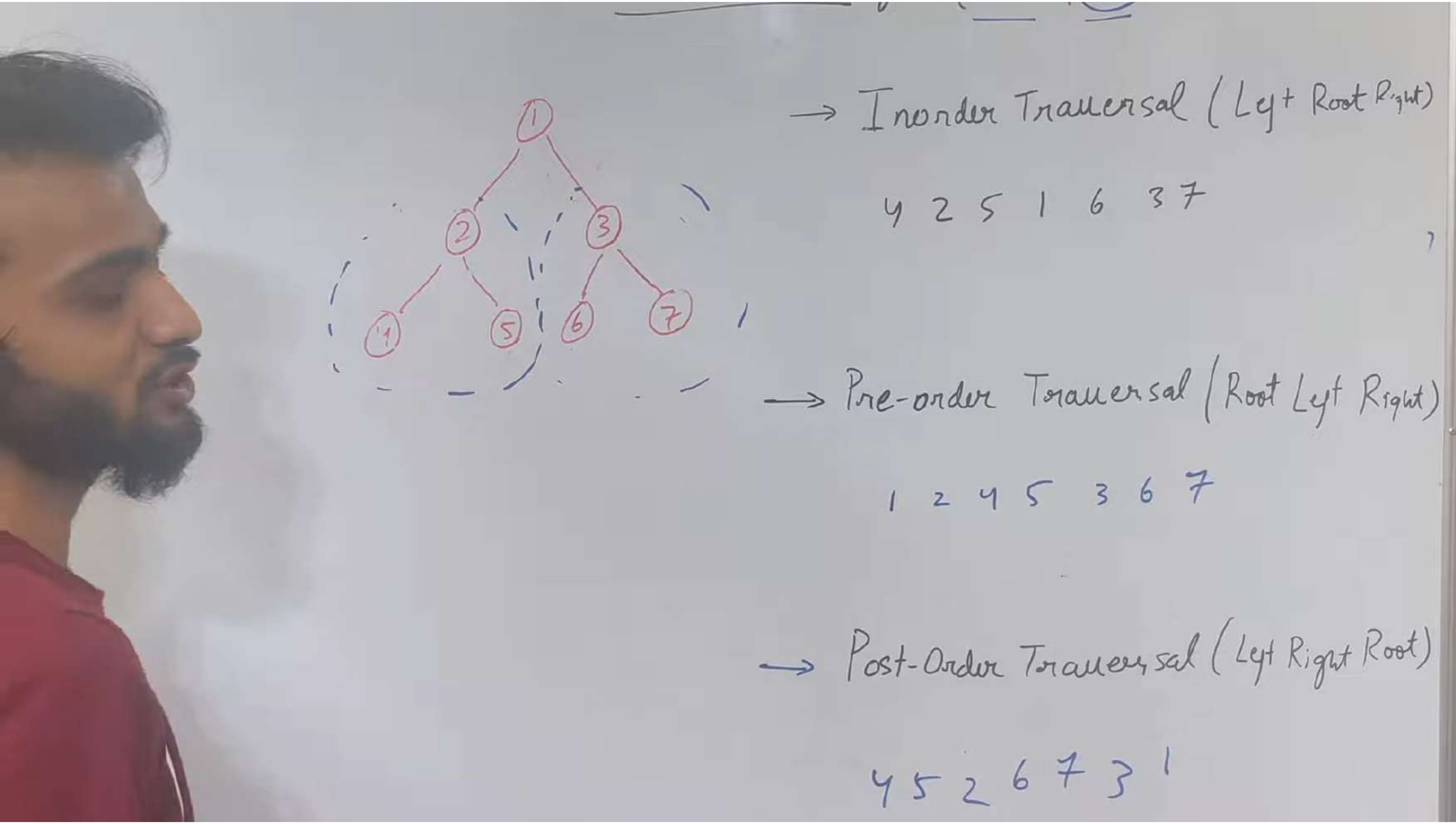
→ Inorder Traversal (Left Root Right)

4 2 5 1 6 3 7

→ Pre-order Traversal (Root Left Right)

1 2 4 5 3 6 7

→ Post-Order Traversal (Left Right Root)



→ Inorder Traversal (Left Root Right)

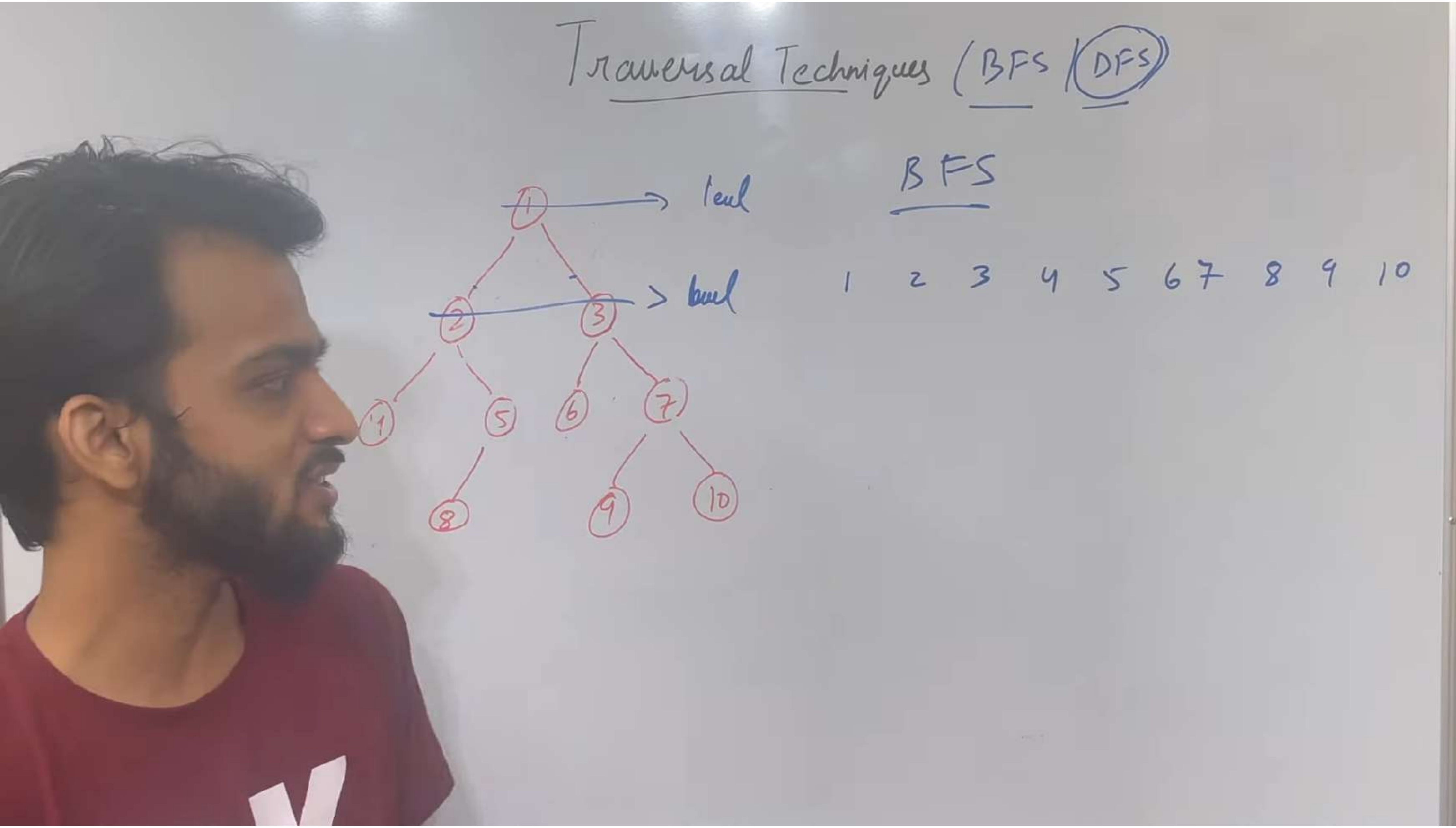
4 2 5 1 6 3 7

→ Pre-order Traversal (Root Left Right)

1 2 4 5 3 6 7

→ Post-Order Traversal (Left Right Root)

4 5 2 6 7 3 1



Traversal Techniques (BFS / DFS)

BFS

1 2 3 4 5 6 7 8 9 10