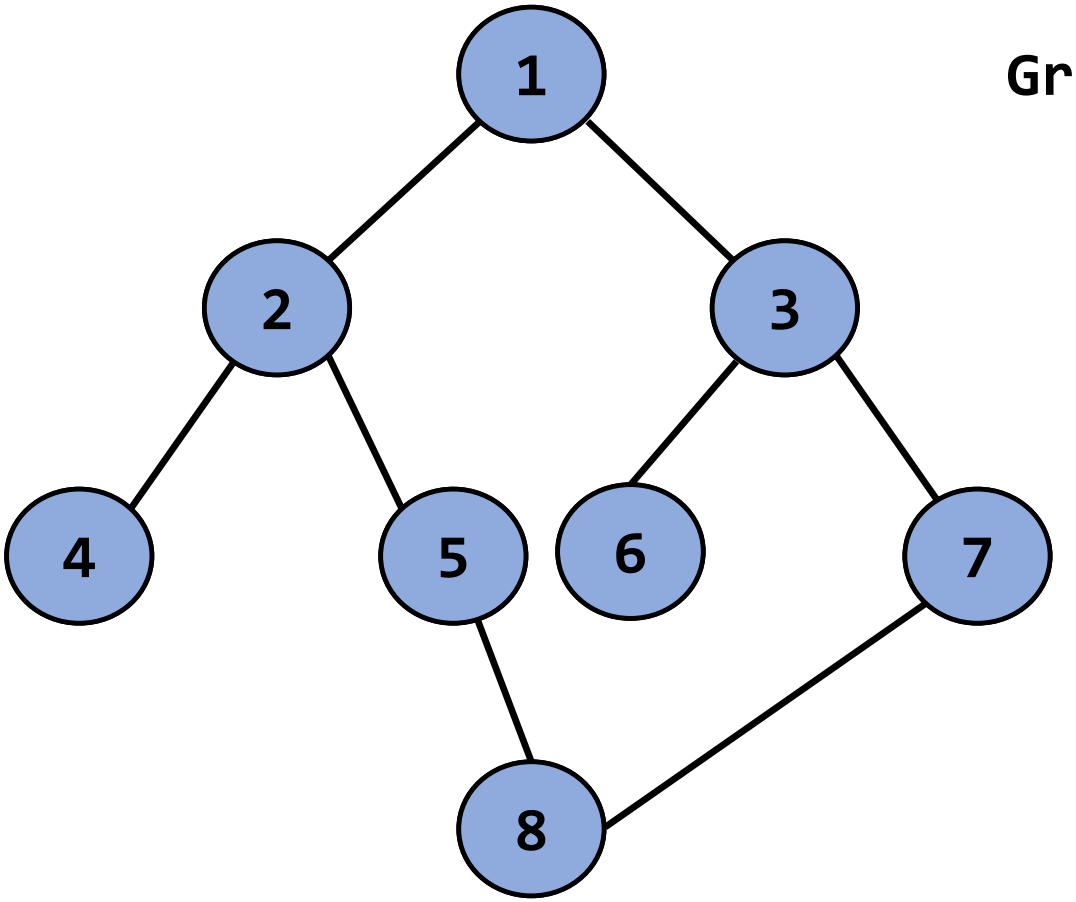
# Depth First Search or DFS

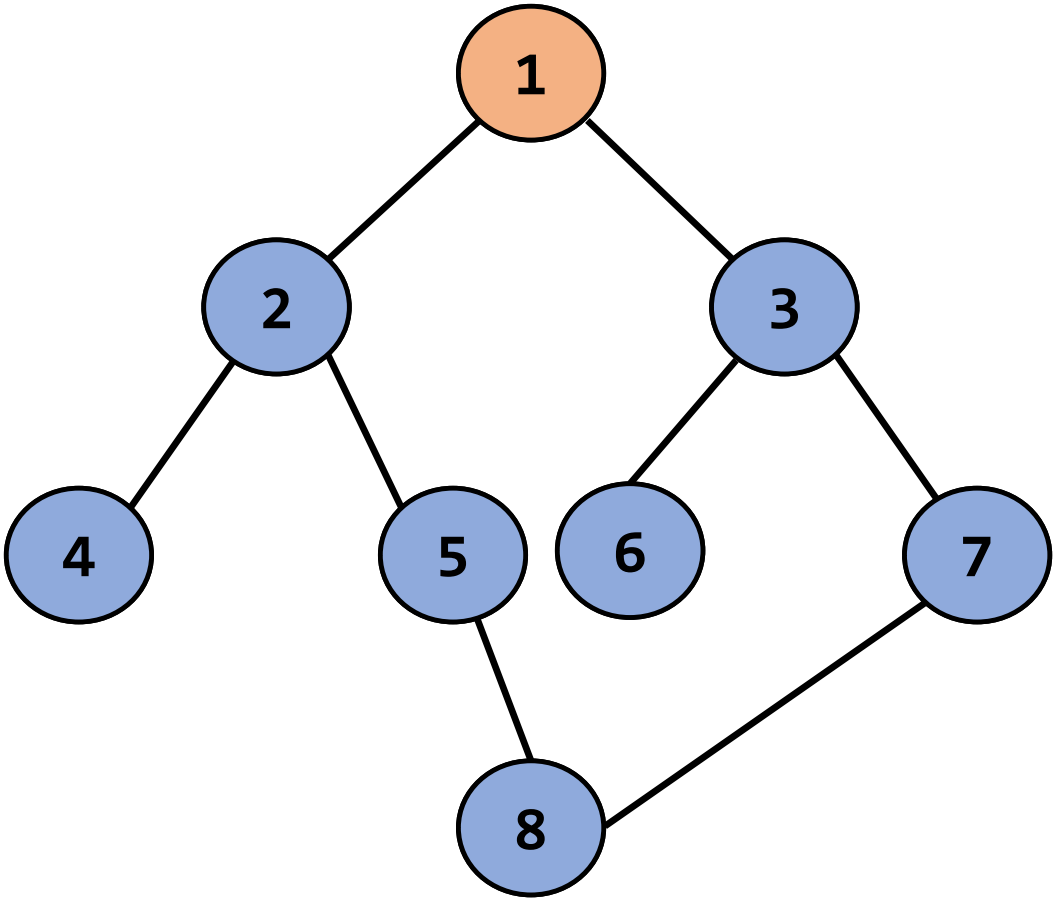
# What is Depth First Search or DFS?

DFS is basically a traversal method through which we can traverse our graph data structure



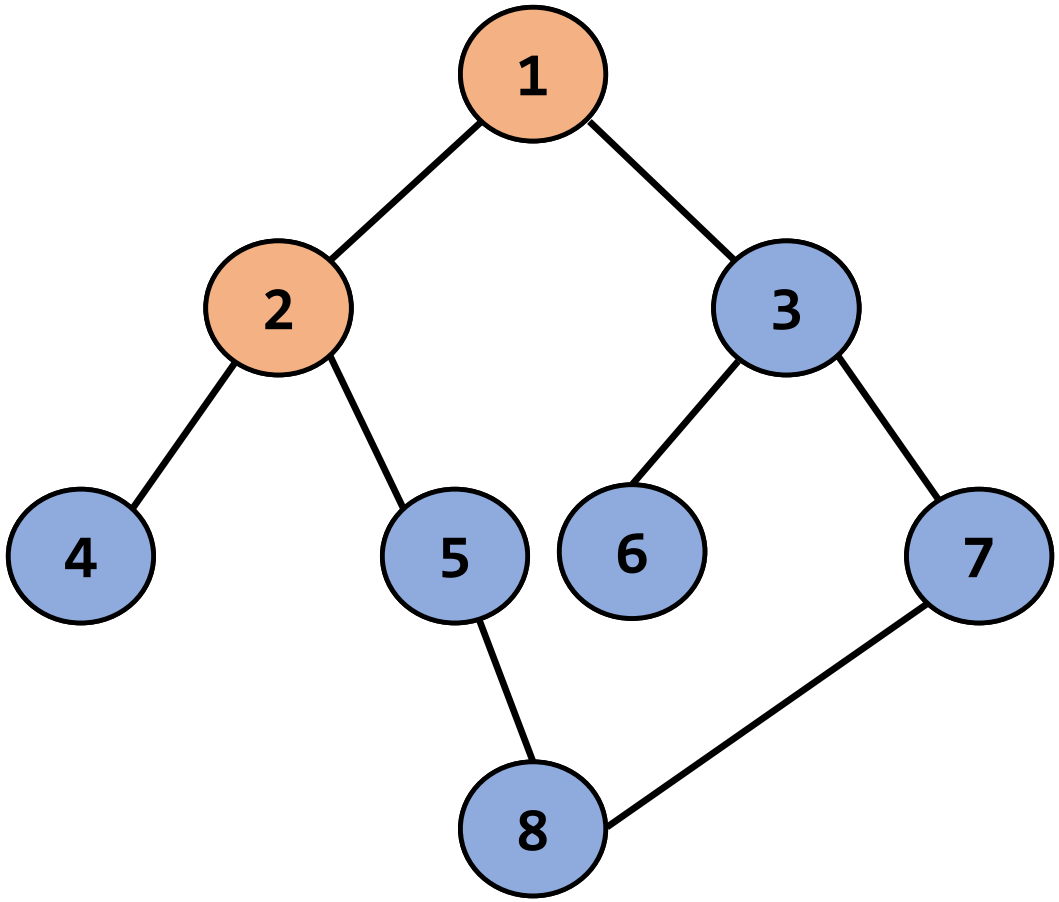

Graph for applying DFS

**Output : 1**



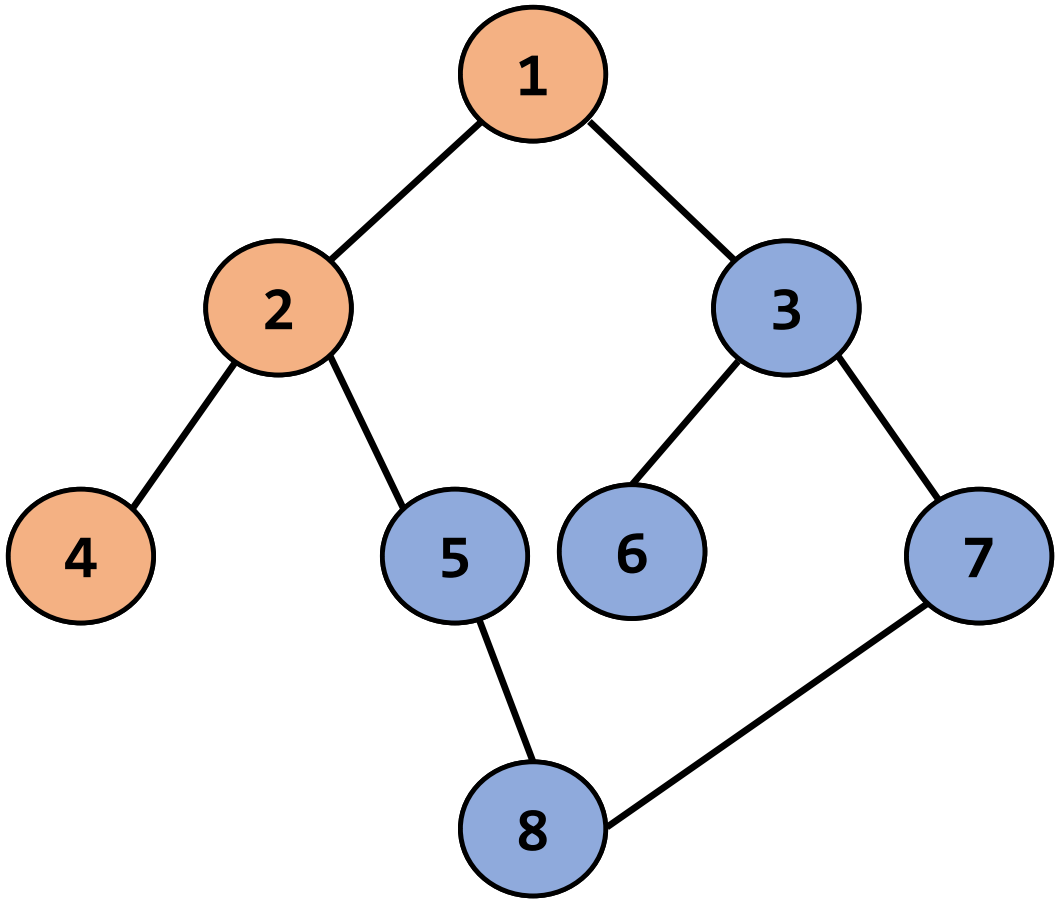
Current node : 2

Output : 1 2



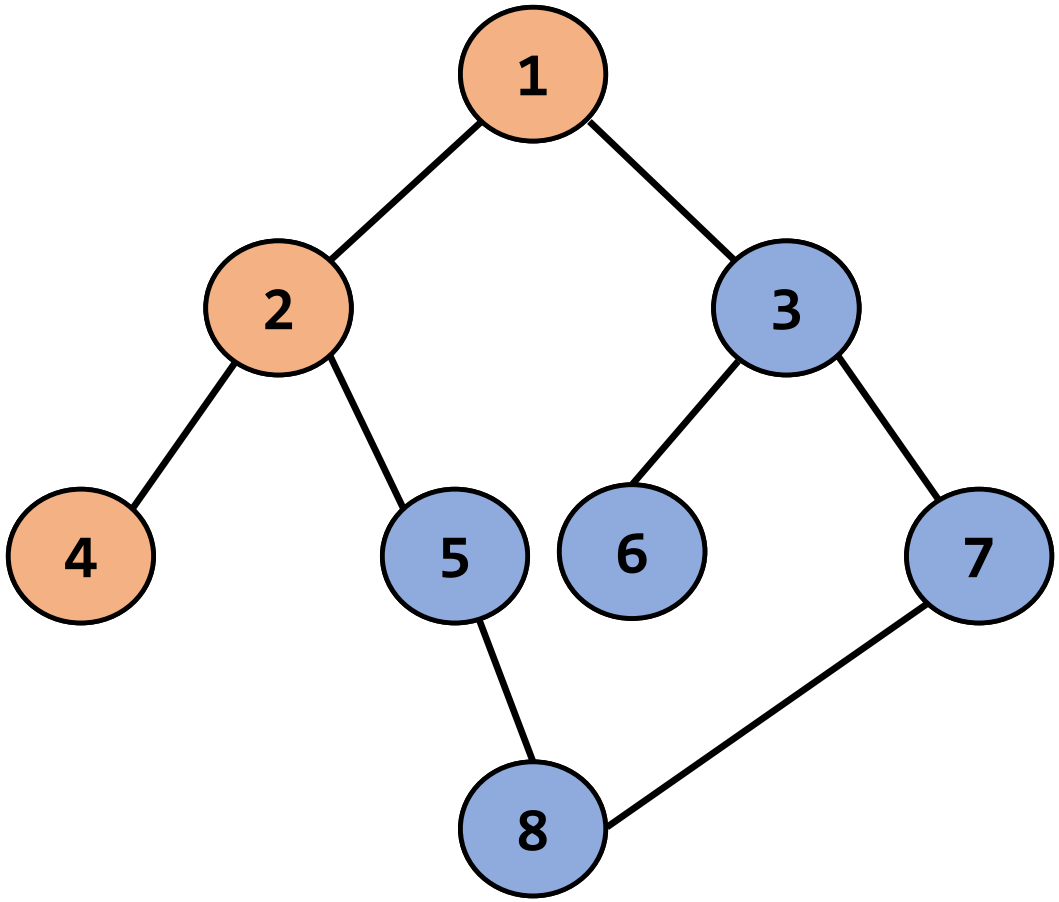
Current node : 4

Output : 1 2 4



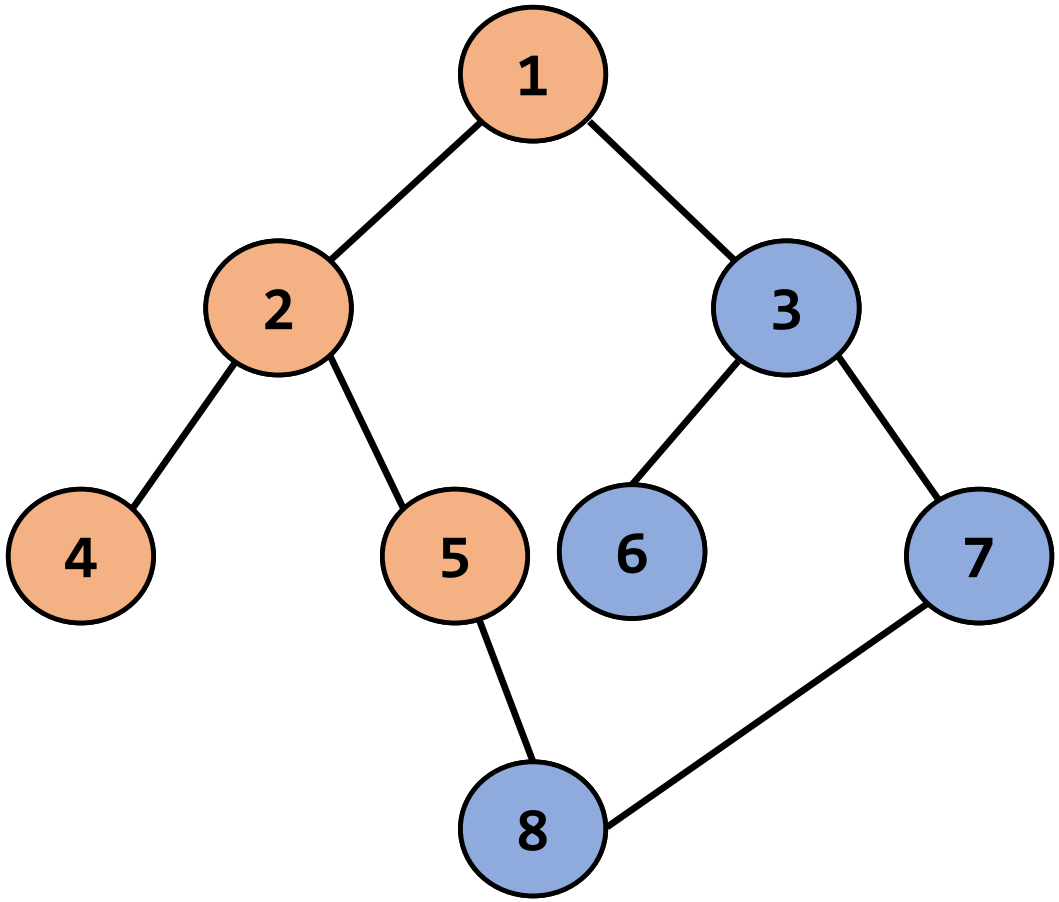
Current node : 2

Output : 1 2 4



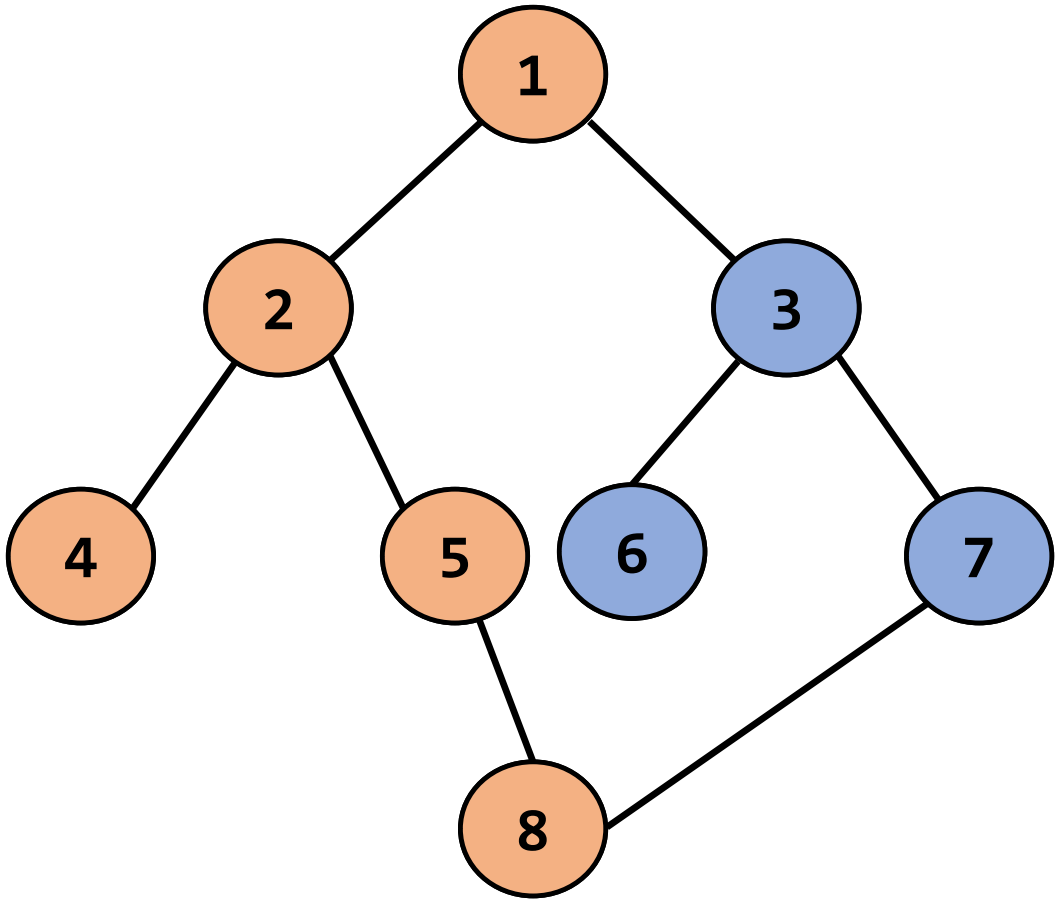
Current node : 5

Output : 1 2 4 5



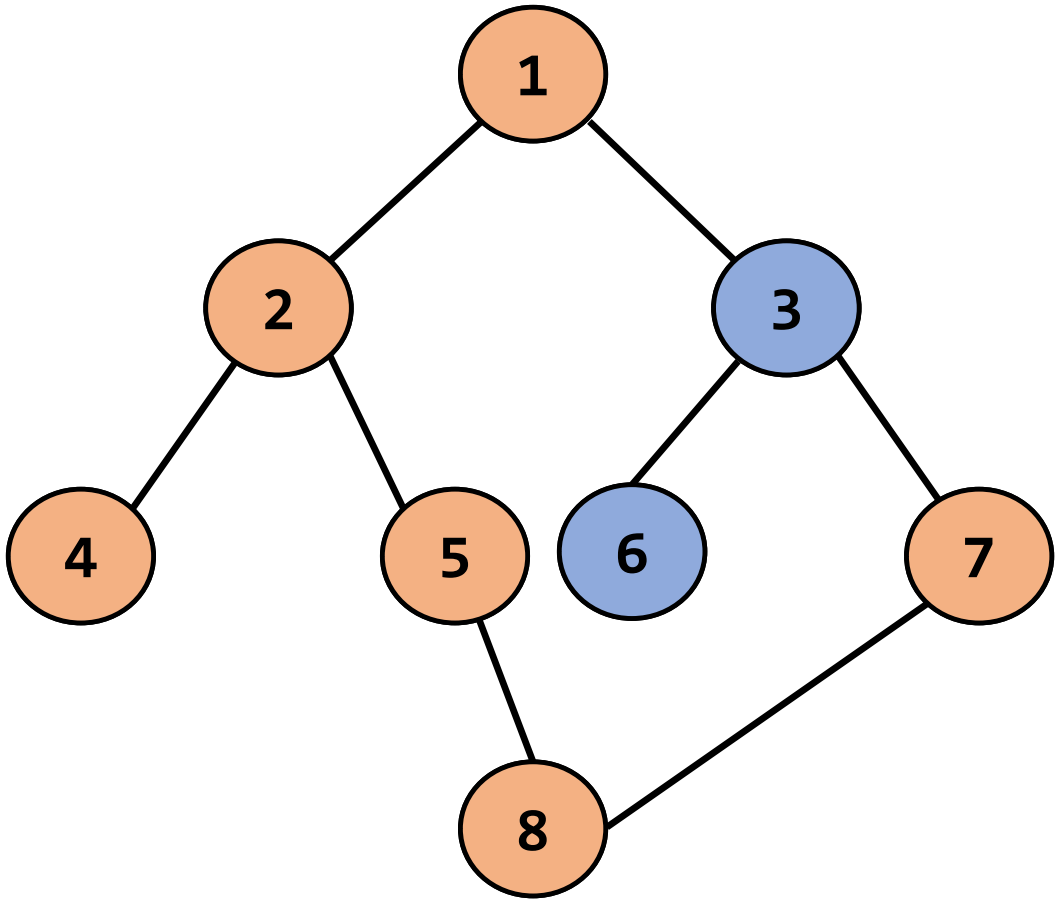
Current node : 8

Output : 1 2 4 5 8



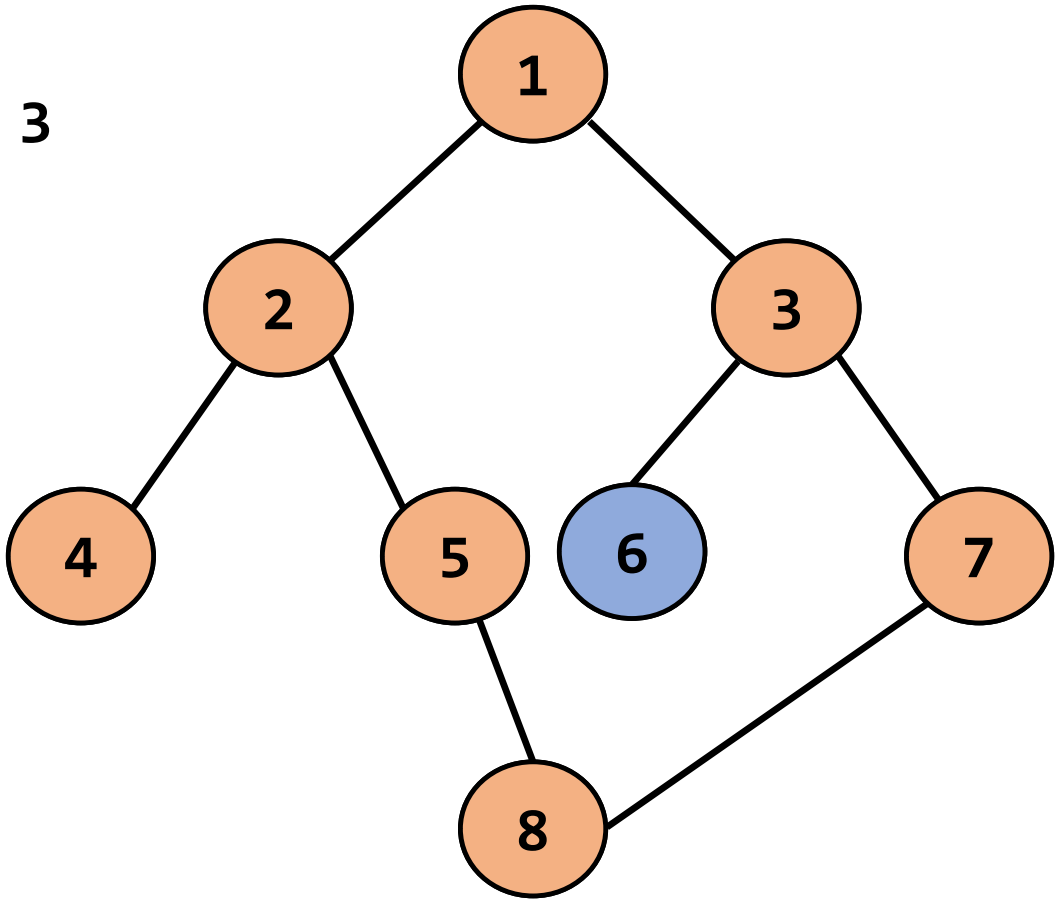
Current node : 7

Output : 1 2 4 5 8 7



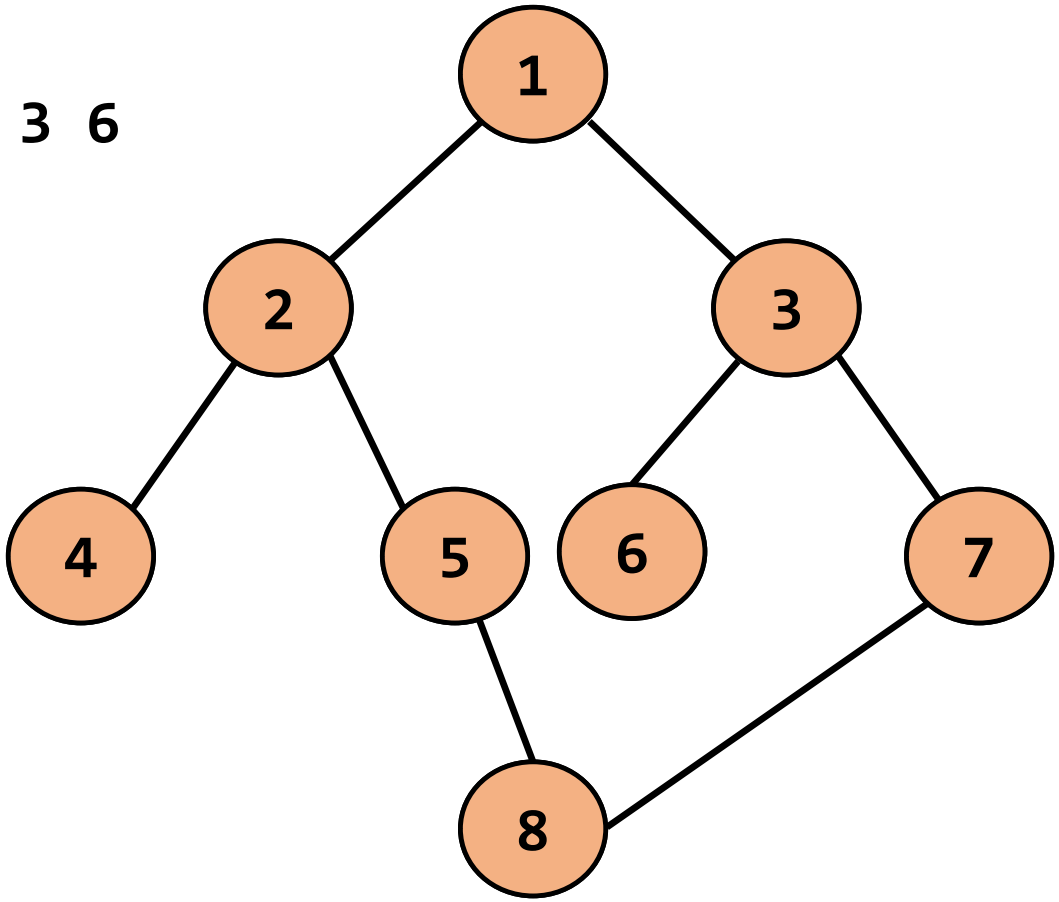
Current node : 3

Output : 1 2 4 5 8 7 3



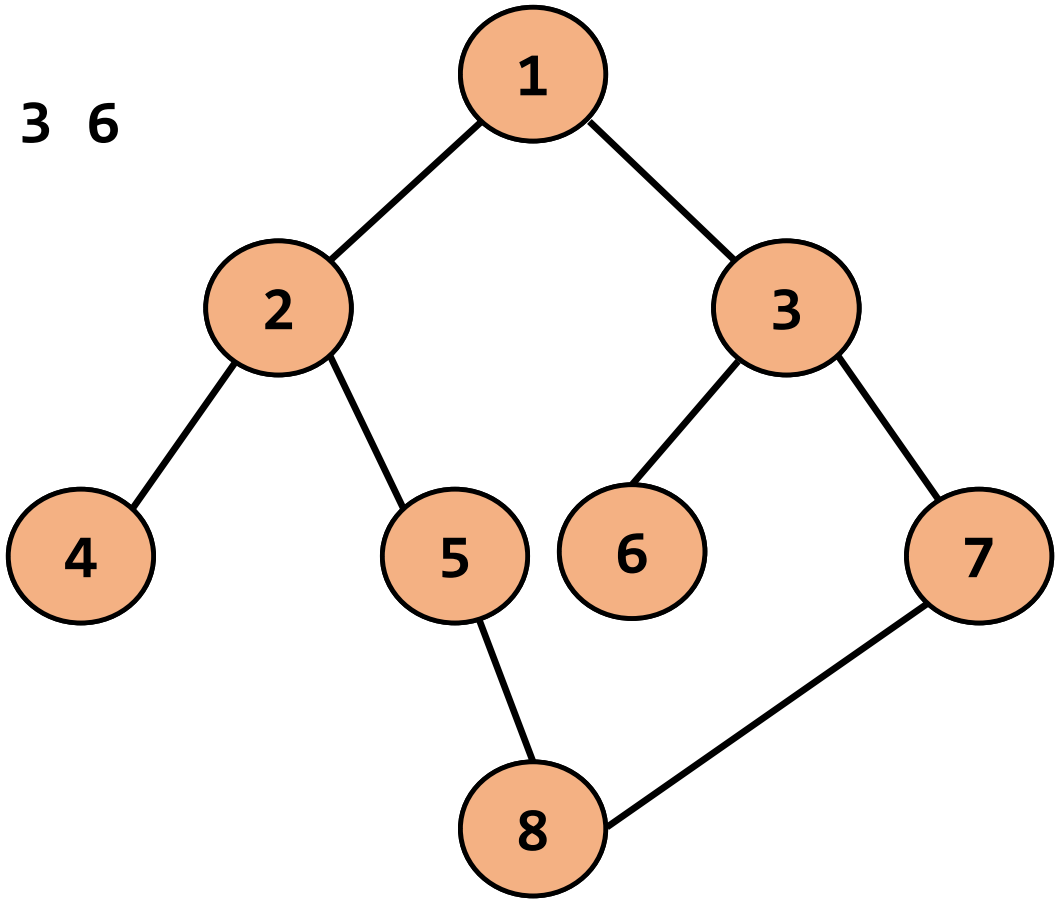
Current node : 6

Output : 1 2 4 5 8 7 3 6



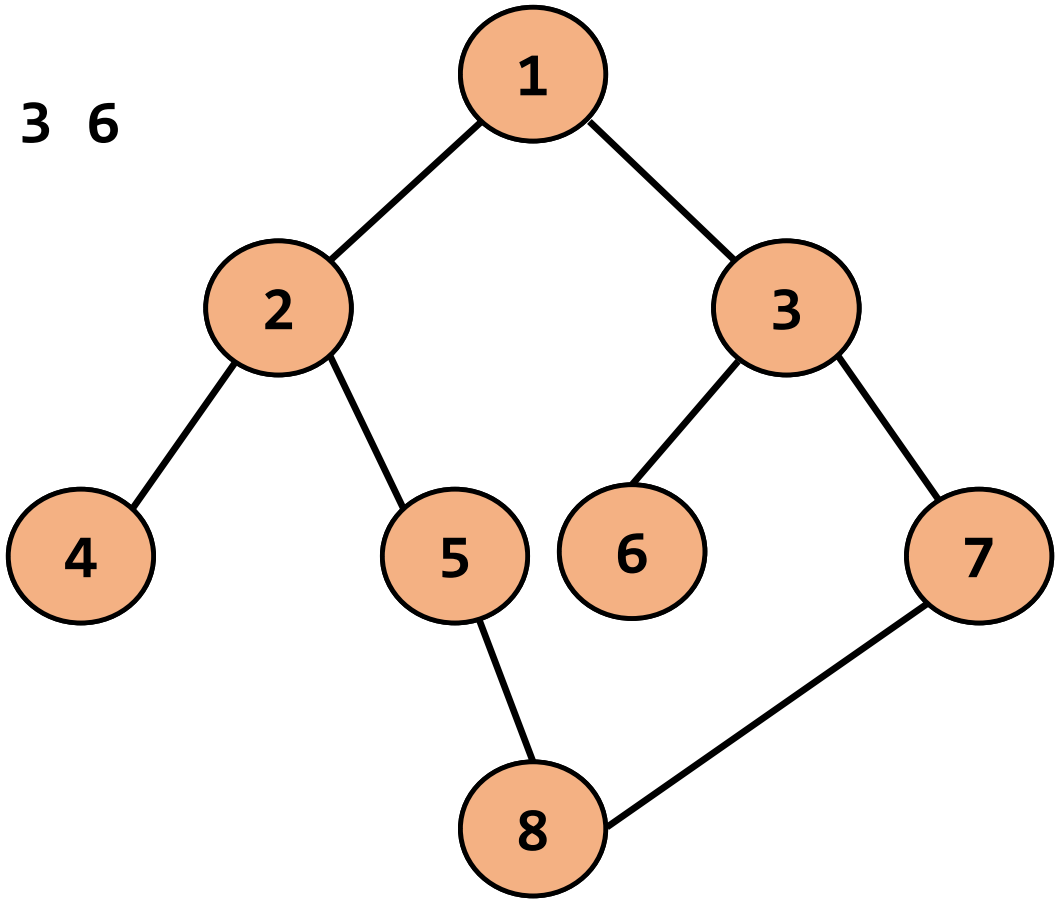
Current node : 3

Output : 1 2 4 5 8 7 3 6



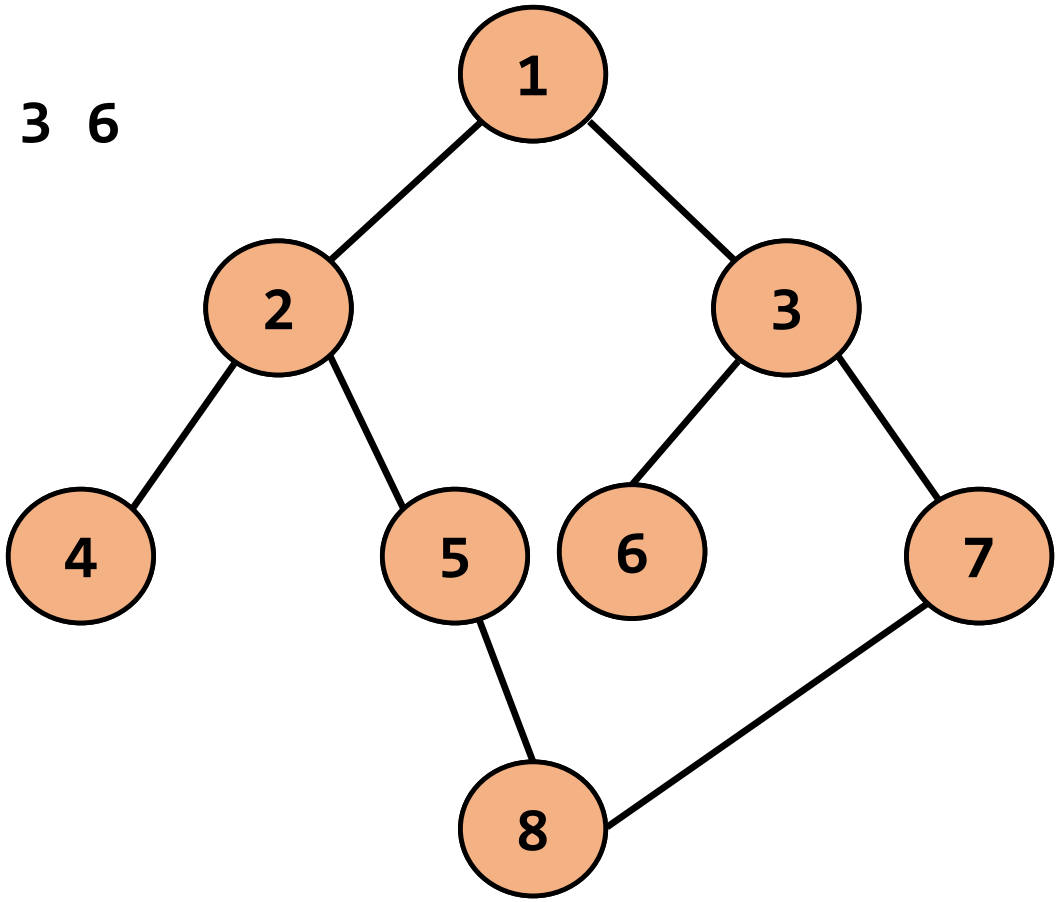
Current node : 7

Output : 1 2 4 5 8 7 3 6



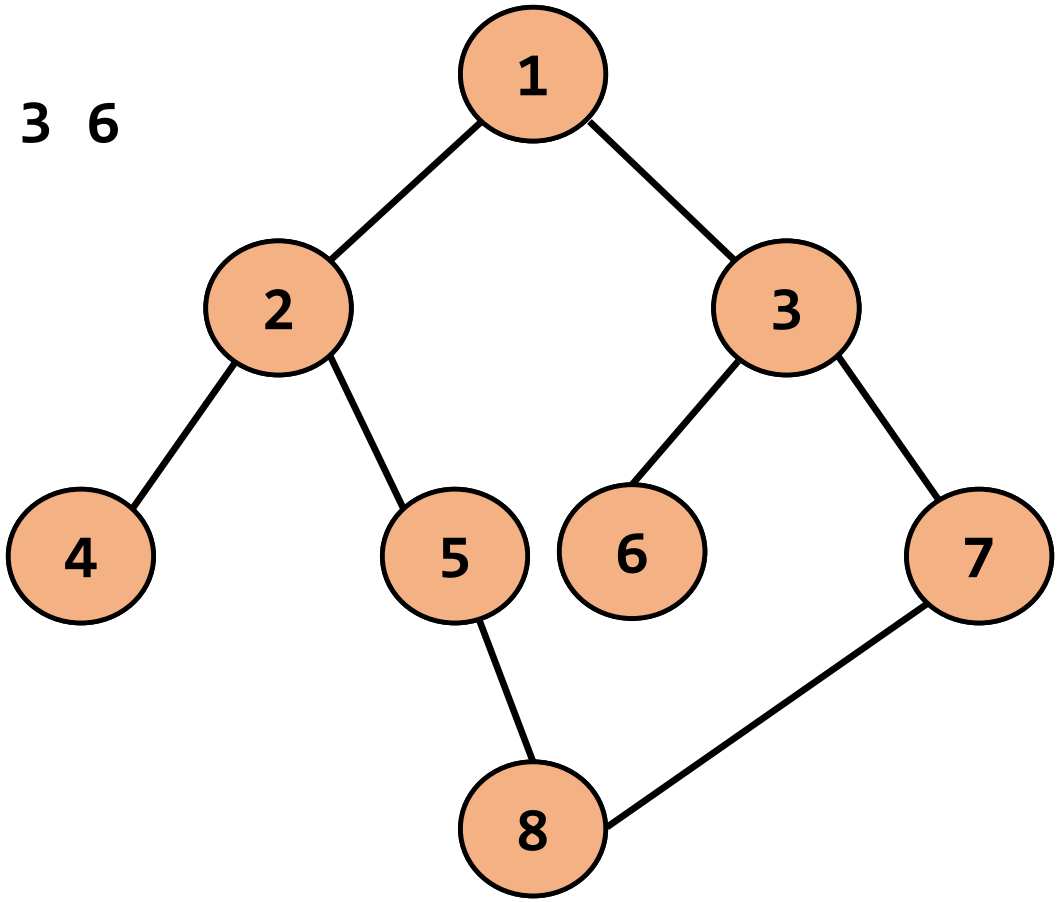
Current node : 8

Output : 1 2 4 5 8 7 3 6



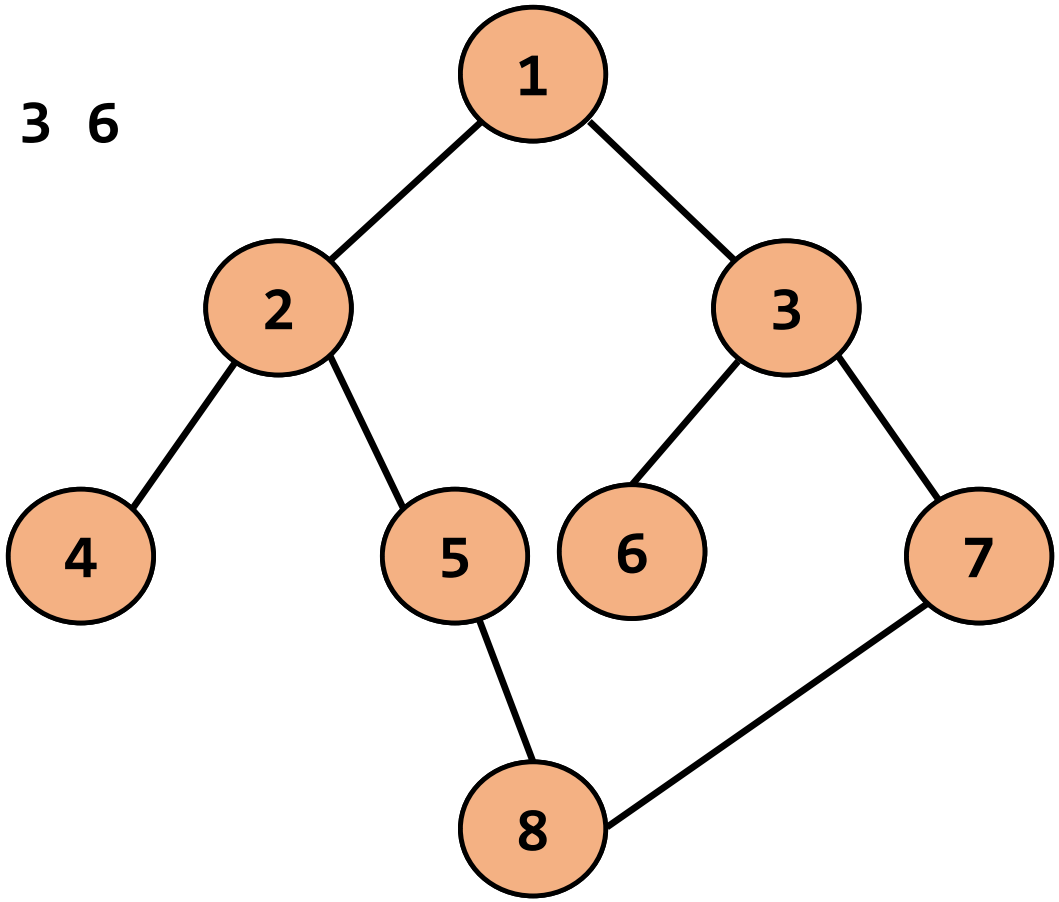
Current node : 5

Output : 1 2 4 5 8 7 3 6



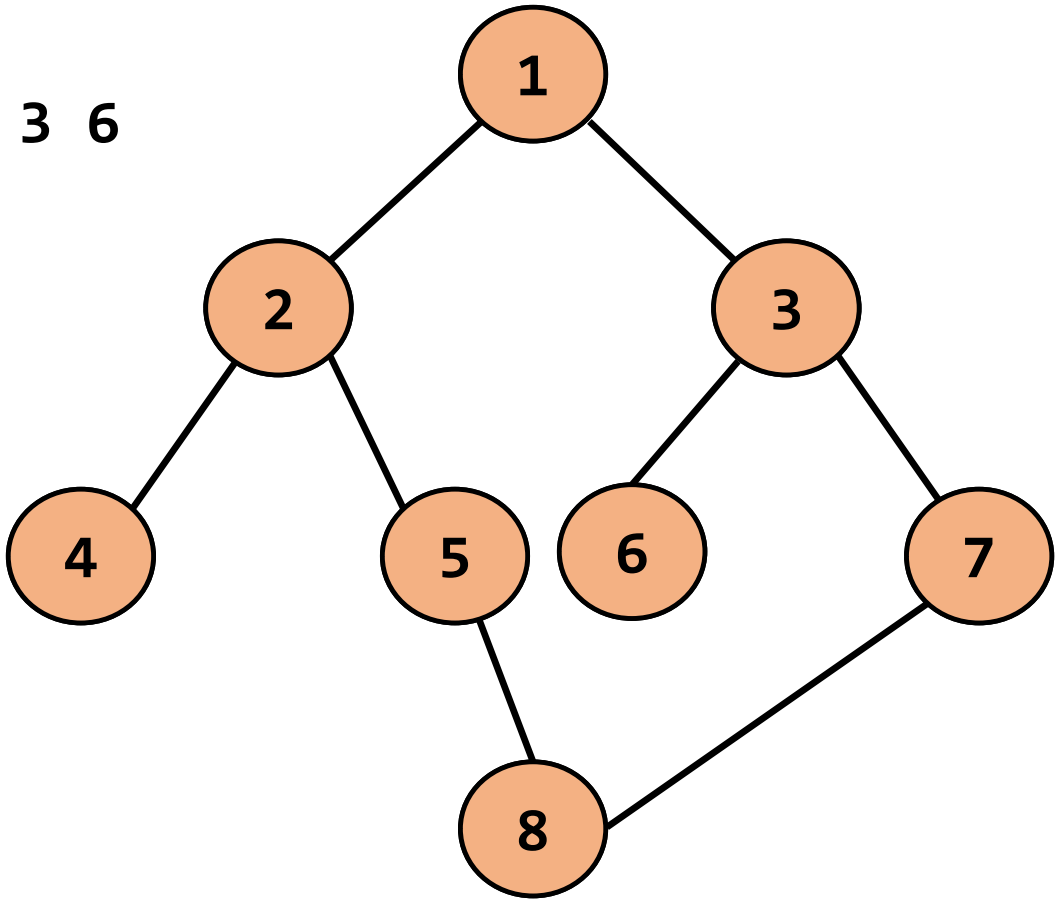
Current node : 2

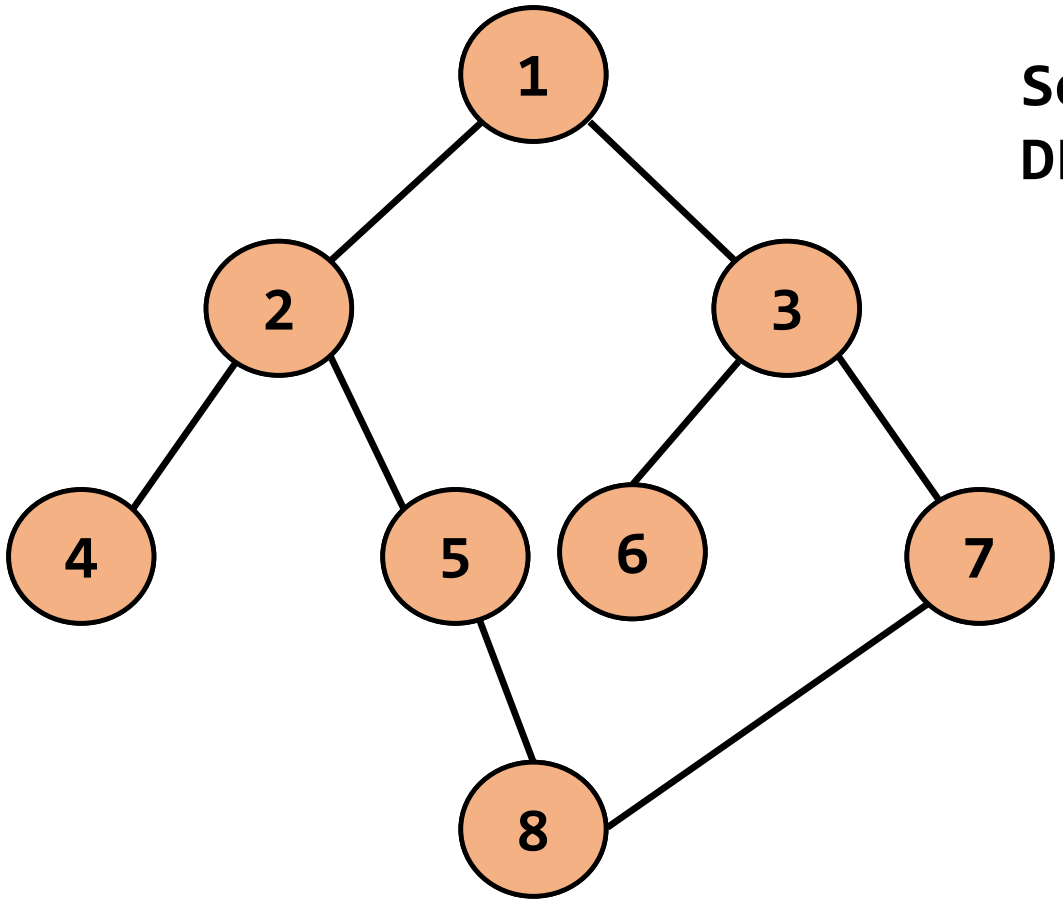
Output : 1 2 4 5 8 7 3 6



Current node : 1

Output : 1 2 4 5 8 7 3 6






So our final Output for
DFS is : 1 2 4 5 8 7 3 6

Let’s do the code