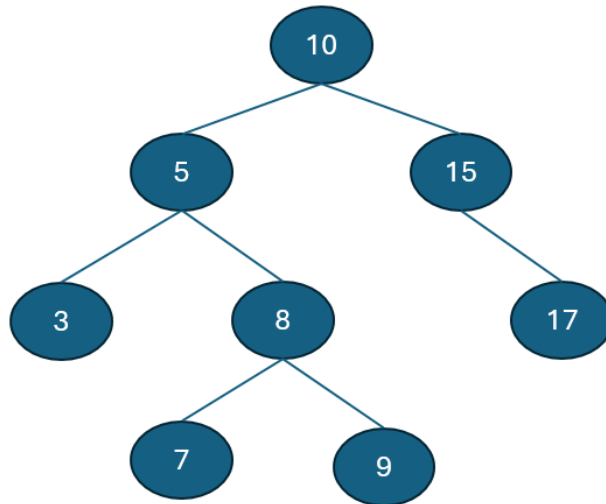


# CS 5012: Foundations of Computer Science

In class review:



On the above binary tree, show:

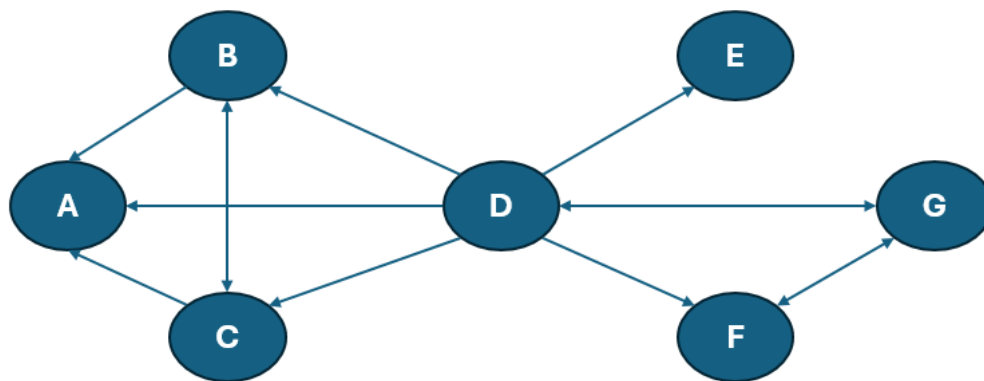
**In-order Traversal:**

**Pre-order Traversal:**

**Post-order Traversal:**

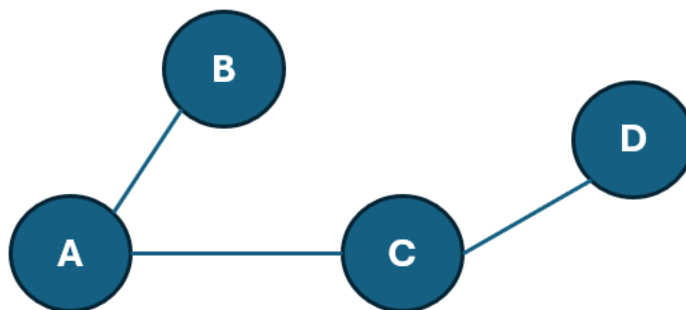
**Find 7 using Breadth First Search:**

**Find 7 using Depth First Search:**



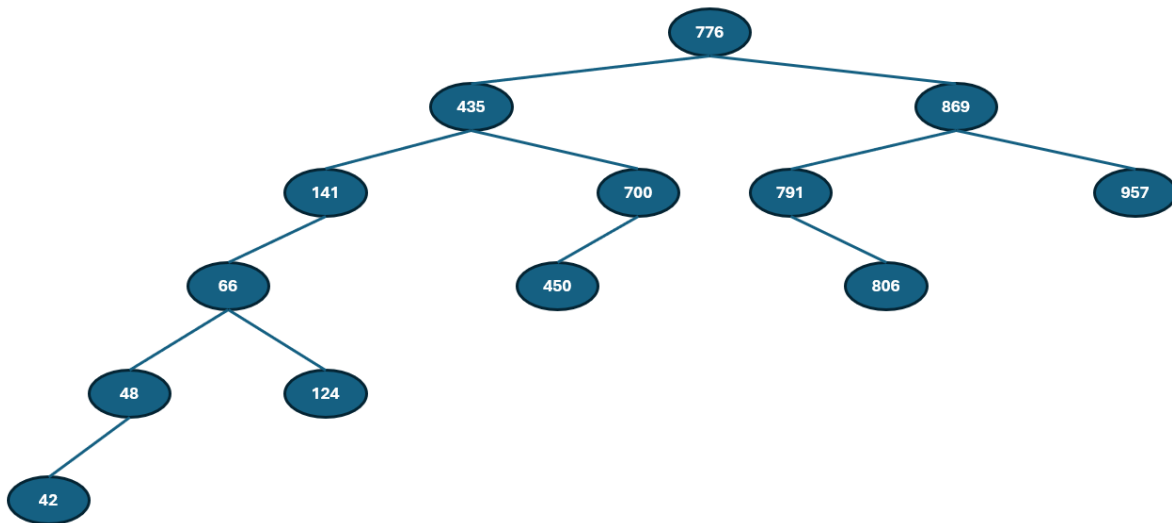
What is the in-degree of node A?

What is the out-degree of node D?



What is the Betweenness Centrality Score of node C?

In class group assignment:



On the above binary tree, show:

**In-order Traversal (2pts):**

**Pre-order Traversal (2pts):**

**Post-order Traversal (2pts):**

**Find 450 using Breadth First Search (2pts):**

**Find 450 using Depth First Search (2pts):**