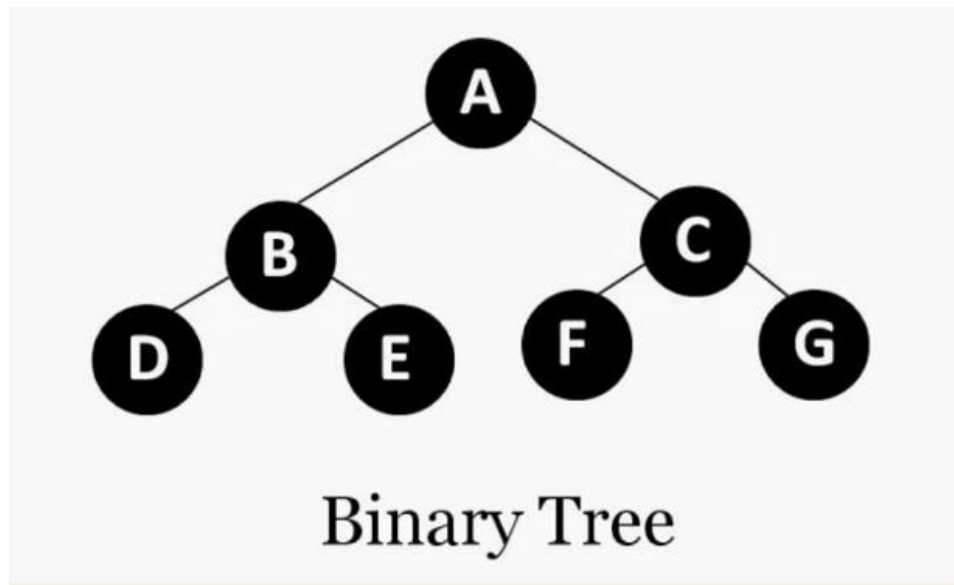


20SCS2050 - Quiz 16(10 Points)

A, B, D, E, C, F, and G. Which traversal?

(1 Point)



level order

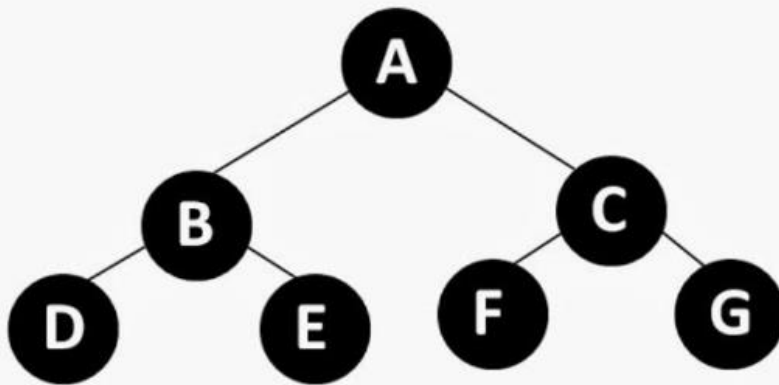
pre-order

in-order

post-order

A, B, C, D, E, F, and G. Which traversal?

(1 Point)



Binary Tree

level order

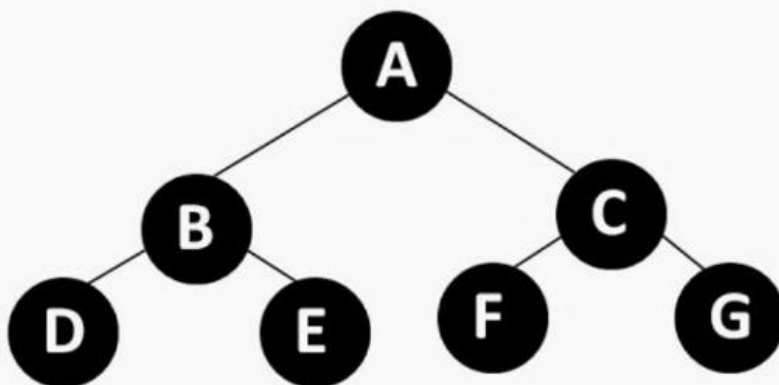
pre-order

in-order

post-order

D, B, E, A, F, C, and G. Which traversal?

(1 Point)



Binary Tree

level order

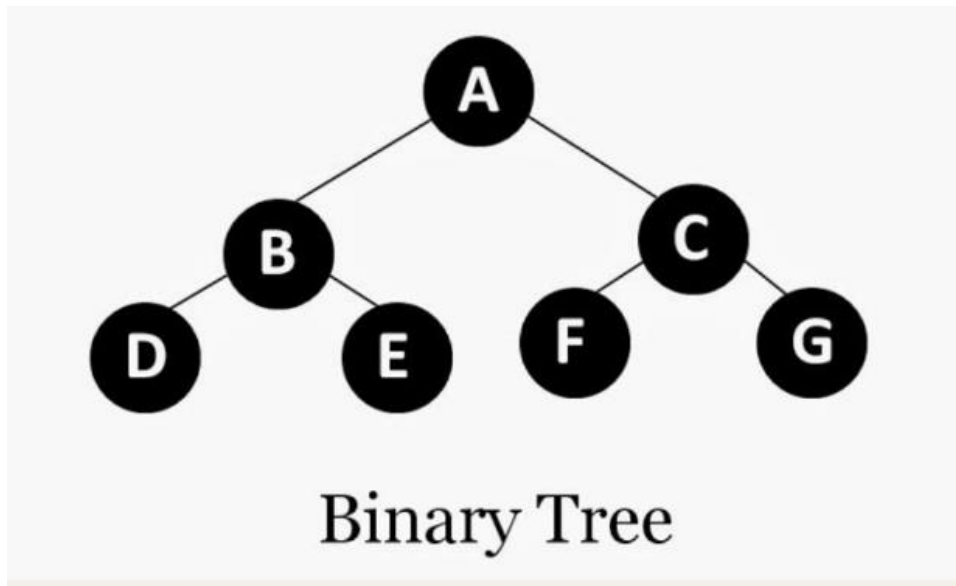
pre-order

in-order

post-order

D, E, B, F, G, C, and A. Which traversal?

(1 Point)



level order

pre-order

in-order

post-order

If you implement your tree traversal using a recursive procedure you are using

(1 Point)

an explicit stack

the call stack

an explicit queue

the heaven stack

If you have a considerably large tree that you want to evaluate in memory using a tree traversal procedure would you use ...

(1 Point)

an explicit stack

the call stack

an explicit queue

the heaven stack

Which tree traversal in a binary tree (w/ left < parent) would give you the natural (ascending) order of the elements?

(1 Point)

level order

pre-order

in-order

post-order

If you need to dump your tree in persistent media to be restored in memory later, which tree traversal would result in a more balanced tree?

(1 Point)

level order

pre-order

in-order

post-order

Which series of additions in a tree would result in worse future search times?

(1 Point)

5, 3, 10, 1, 4, 8, 12

5, 1, 3, 4, 10, 8, 12

5, 3, 18, 10, 12, 1, 4

1, 3, 4, 5, 8, 10, 12

Is there a situation when binary search takes as long as linear search for the same collection?

(1 Point)

true

false