

stack visited

Pre-order

push(D) → D

while (stack is not empty)

step 1 {
 pop() → D
 visit D
 push(D.right) → B
 push(D.left) → E

step 2 {
 pop() → B
 visit B
 push(B.right) → A
 push(B.left) → C

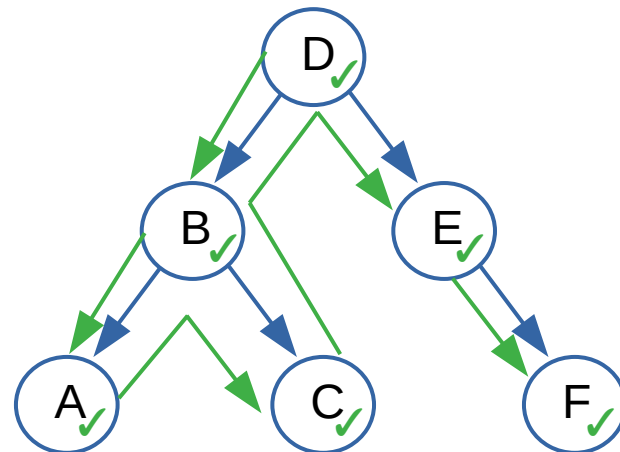
step 3 {
 pop() → A
 visit A
 push(B.right) (Null)
 push(B.left) (Null)
C
E

step 4 {
 pop() → C
 visit C
 push(C.right) (Null)
 push(C.left) (Null)
E

step 5 {
 pop() → E
 visit E
 push(E.right) → F
 push(E.left) (Null)

step 6 {
 pop() → F
 visit F
 push(F.right) (Null)
 push(F.left) (Null)

Completed: the stack is empty



D, B, A, C, E, F

D

D
B

D
B
A

D
B
A
C

D
B
A
C
E

D
B
A
C
E
F