

In order traversal:

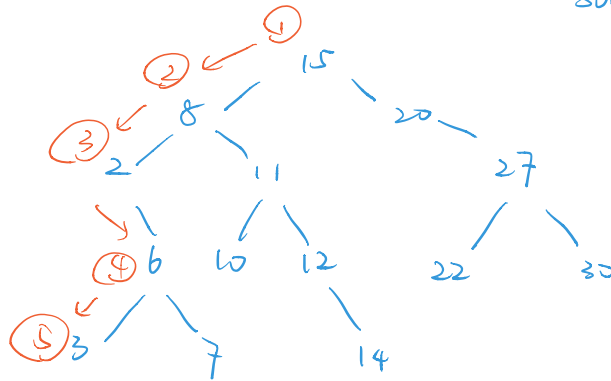
if (local Root != null)

inorder (local Root . leftChild)

print

inorder (local Root . rightChild)

sorted \Rightarrow BST



from root: 15

inorder (15)

↓ left

inorder (8)

↓ left

inorder (2)

↓ left

~~inorder (null)~~ end base

↳ Done print 2

2

inorder (6)

↓ left

inorder (3)

↓ left

~~inorder (null)~~ end base

↳ Done print (3) print (6)

2, 3, 6

inorder (7)

↓

~~inorder (null)~~ end

↳ Done print(7) print(8) 2,3,6,7,8

inorder(11)

↓ left

inorder(10) end

↳ print(10) print(11) 2,3,6,7,8,10,11

inorder(12) end

↳ print(12) 2,3,6,7,8,10,11,12

inorder(14) end

↳ print(14) . print(15) 2,3,6,7,8,10,12,14,15

inorder(20) end

↳ print(20) 2,3,6,7,8,10,12,14,15,20

inorder(27)

↓ left

inorder(22) end

↳ print(22) print(27)

inorder(30) end

↳ print(30)

2,3,6,7,8,10,12,14,15,20
22,27

Result:

2,3,6,7,8,10,11,12,14,15,20,22,27,30

more detailed here ↓

①
 inorder(15) ^{wst=15}
 ↳ inorder(8) ^{wst=8} → inorder(2) ^{wst=2} → inorder(null) ^{Done! pop}
 Hold | print(15) ④ | Hold | print(8) ③ | Hold | print(2) ① execute 2
 inorder(20) inorder(11) inorder(6) ✓

inorder(3) ✓ → inorder(null) ^{Done! pop}
 Hold | print(6) ③ 2,3,6 | print(3) ② 2,3
 inorder(7) inorder(null)

inorder(null) ^{Done! pop}
 print(7) ④
 inorder(null)

inorder(10)
 ↳ inorder(10) ✓ → inorder(null) ^{Done pop!}
 Hold | print(11) ⑦ 2,3,6,7,8,10,11 | print(10) ⑥ 2,3,6,7,8,10
 inorder(12) ✓ inorder(null)

inorder(null) Done
 print(14) ⑤ POP
 inorder(14) 2,3,6,7,8,
 10,11,14

inorder(20) (simply after)

↓

inorder(20)

print(20) (10)

inorder(27)

inorder(22)

print(22) (11)

print(27) (12)

inorder(30)

print(30) (13)

Output: 2, 3, 6, 7, 8, 10, 11, 12, 14, 15, 20,
22, 27, 30