**Binary Tree Traversals Exercise  
  
  
Level 1  
  
  
  
  
  
  
  
Level 2  
  
  
  
  
  
  
  
  
  
  
Level 3  
  
  
  
  
  
  
  
Level 4**

11

2

17

20

14

15

19

9

16

13

**Order of input: 15 – 13 – 16 – 9 – 2 – 14 – 19 – 17 – 20 - 11**

1. Write down the order of node values traversed which results from a BREADTH-FIRST TRAVERSAL  
  
  
15 – 13 – 16 – 9 – 14 – 19 – 2 – 11 – 17 – 20   
------------------------------------------------------------------------------------------------------------------  
  
2. Write down the order of node values traversed which results from a DEPTH-FIRST PRE-ORDER TRAVERSAL

**Pre Order Traversal – Root, L, R**

15 – 13 – 9 – 2 – 11 – 14 – 16 – 19 – 17 - 20

------------------------------------------------------------------------------------------------------------------

3. Write down the order of node values traversed which results from a DEPTH-FIRST POST-ORDER TRAVERSAL

**Post Order Traversal – L, R, Root**

2 – 11 – 9 – 14 – 13 – 17 – 20 – 19 – 16 - 15

------------------------------------------------------------------------------------------------------------------  
  
4. Write down the order of node values traversed which results from a DEPTH-FIRST IN-ORDER TRAVERSAL

**In Order Traversal –L, Root, R**

2 – 9 – 11 – 13 – 14 – 15 – 16 – 17 – 19 - 20

------------------------------------------------------------------------------------------------------------------