

Excellence is being able to perform

at a high level over And over again.

You can hit a half-court shot once.

That's just the luck of the draw.

If you consistently Do it... that's excellence.

BST Levels - Labels of Novel Intellections

Binary Search Tree – Levels

Create a binary tree with given input data.

Print all the following level orders.

Input data: 5 8 3 4 1 9 6 7 2 -1

Output level orders :

1. Level order : 5 3 8 1 4 6 9 2 7

2. Reverse reversed level order:

7 2 9 6 4 1 8 3 5

3. Reverse level order :

2 7 1 4 6 9 3 8 5

4. Squirrel level order (clock-wise start):

5 8 3 1 4 6 9 7 2

5. Squirrel level order (anti-clock-wise start):

5 3 8 9 6 4 1 2 7

6. Alternate odd-level reversal level order :

5 8 3 1 4 6 9 7 2

7. Alternate even-level reversal level order:

5 3 8 9 6 4 1 2 7

Test case:

input (cin >>) : 5 8 3 4 1 9 6 7 2 -1

output (cout >>) :

5 3 8 1 4 6 9 2 7

7 2 9 6 4 1 8 3 5

2 7 1 4 6 9 3 8 5

5 8 3 1 4 6 9 7 2

5 3 8 9 6 4 1 2 7

5 8 3 1 4 6 9 7 2

5 3 8 9 6 4 1 2 7