

Recursion:-

How to understand & approach a problem using recursion,

1. Identify if you can break down the problem into smaller problems.
2. Write the recurrence relation if needed.
3. Draw the recursive tree.

4. About the tree:

- See the flow of functions, how they are getting into stack.
- Identify and focus on left tree & right tree calls.
- Draw the tree and pointer again & again using pen & paper.
- Use a debugger to see the flow.
- 5. See how the values are returned at each step, see where the function call will come out, and at the end finally you come out from main.