Sort List

Try to solve the Sort List problem.

We'll cover the following

Statement

Given the head of a linked list, return the list after sorting it in ascending order.

Constraints:

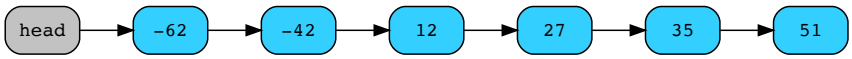
- The number of nodes in the list is in the range $[0, 5 \times 10^4]$.
- $-10^5 \leq$ `Node.val` $\leq 10^5$

Examples

Sample example 1

Input

Output



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Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Sort List

1 What is the output if the following linked list is given as input?

357 → 98 → 12 → 788 → 45 → 121

A) 12 → 45 → 98 → 788 → 121 → 357

B) 12 → 45 → 98 → 121 → 788 → 357

C) 12 → 45 → 98 → 121 → 357 → 788

D) 12 → 98 → 45 → 121 → 357 → 788

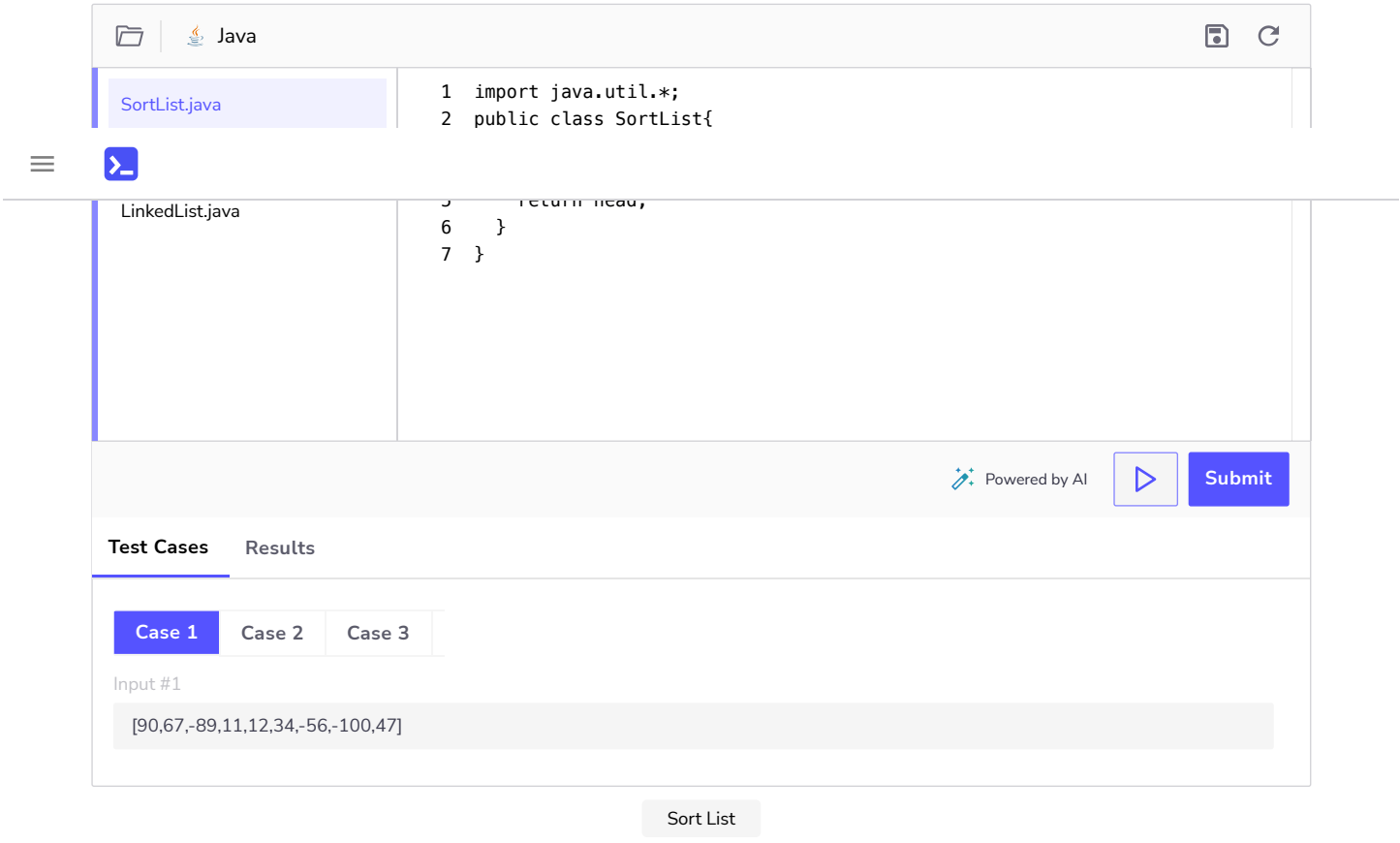
Submit Answer

Question 1 of 3
0 attempted

Reset Quiz

Try it yourself

Implement your solution in `SortList.java` in the following coding playground.



Sort List

Hide Hint

You might want to go over the In-place Reversal of a Linked List pattern again.

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