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The program finds the minimum and maximum elements in an array using a technique that reduces the number of comparisons:

1. The struct Pair defines a structure to hold both min and max values.
2. The findMinMax function:
   * Handles odd and even-sized arrays differently at the start.
   * For even-sized arrays, it compares the first two elements to initialize min and max.
   * For odd-sized arrays, it initializes both min and max with the first element.
   * It then processes the rest of the array in pairs, comparing each pair and updating min/max accordingly.
3. The main function demonstrates the usage with a sample array.

Time Complexity:

* The algorithm makes about 3n/2 comparisons in the worst case, where n is the number of elements.
* This is more efficient than the naive approach of 2n comparisons (n for min, n for max).
* The time complexity is O(n), but with fewer comparisons than the simple linear search.

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| N | C (in ms) | C++ (in ms) | JAVA (in ms) |
| 10^5 | 0.66 | 0 | 2 |
| 10^6 | 6.23 | 5 | 7 |
| 10^7 | 58.56 | 44 | 37 |
| 10^8 | 566.93 | 680 | 291 |