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Assignment-2 on Searching Algorithms

1. Create an array of 100 random integers
   Write two programs for linear search and binary search to search the *median* of these 100 random integers in the array

2. For linear search, print the compared element in every iteration (within the program)
   For binary search, print the *mid* element in every iteration (within the program)

3. Explain the time complexity for both the searching algorithms (hand written)

   ((5+5) + (5+5))