**Linear Search**

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**2. Bubble Sort**

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To find the complexity of algorithms, we try to understand how fast the algorithm runs and how much memory it needs as the input size becomes very large. This is usually measured using **time complexity** and **space complexity.**

* **Time Complexity** is about how much time the algorithm needs as you increase the amount of data.
* **Space Complexity** is about how much extra memory the algorithm requires as you increase the amount of data.

The most common way to express complexity is using **Big-O Notation**, which focuses on the worst-case scenario and shows how the algorithm behaves as the input size becomes large.

**Steps to Determine the Complexity of Algorithms**

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