**Fundamentals of
Data Structures using C**

Searching Algorithms

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Introduction

- Searching refers to determining whether an element is present in a given list of elements or not.

- If the element is found to be present in the list then the search is considered as successful, otherwise it is considered as an unsuccessful search.

- The search operation returns the location or address of the element found.

- There are various searching methods that can be employed to perform search on a data set.

Introduction

- The choice of a particular searching method in a given situation depends on a number of factors, such as:

  - Order of elements in the list, i.e., random or sorted.

  - Size of the list Let us explore the various searching methods one by one.

Types of Searching

- Linear search

- Binary search

Queries?

Thank You!