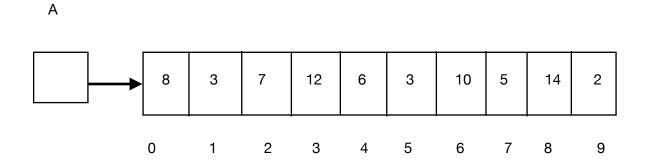
Linear Search

- They are 2 search method in an array
- I. Linear search
- II. Binary search
- Linear search:

Size =
$$10$$

Length = 10



Key = 5 (successful search) Key = 12 (unsuccessful search)

- · All the elements must be unique here
- The value you are searching is called key, In linear search we search the key element one by one linearly
- · We search the element by comparing it with the key value

- The result of the search is the location of the element where its present (index number), it is very useful in accessing the element in the list
- If the element is not found throughout the list that means it is not present in the list therefore search is unsuccessful

Syntax: