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How to handle collision?

There are mainly two methods to handle collision:

1. Separate chaining
2. open Addressing

Separate chaining:

The idea behind separate chaining is to implement the array as a linked list called a chain. Separate chaining is one of the most popular and commonly used techniques in order to handle collisions.

The linked list data structure is used to implement the array as a linked list called a chain. Separate chaining is one of the most popular and commonly used techniques in order to handle collisions.

The linked list data structure is used to implement this technique, so what happens is, when multiple elements are hashed into the same slot index, then these elements are inserted into a singly chaining. If two different elements have the same hash value then we store both the elements in the same linked list one after the other.