QUESTIONS

1. Can we write int type of packed array? If yes/no why?

2. How to resize in dynamic array by retaining old values?

3. Can we use num method in static/dynamic array?

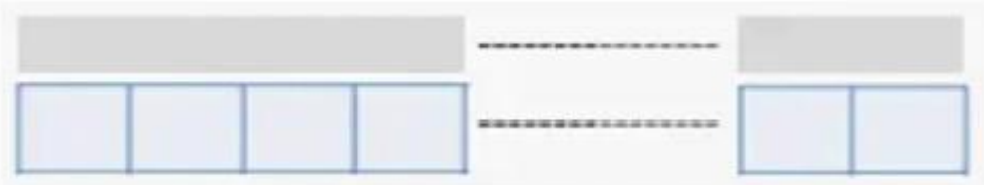
4. How to find indexes associated with associative array items?

METHODS OF ASSOCIATIVE ARRAY

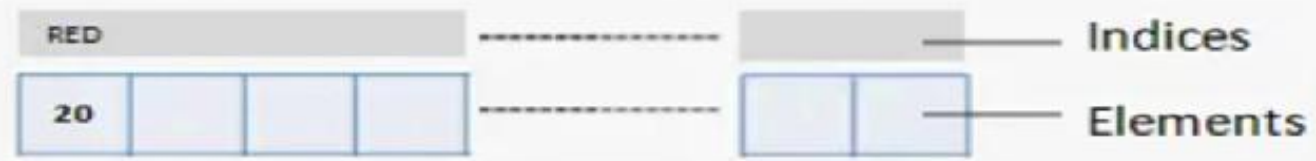
Methods	Description
num()	Returns the number of entries in the array
delete(<index>)	Removes the entry at the specified index
exists(<index>)	Returns 1 if an elements exists at the specified index
first(var)	Assigns the value of first index to the variable var
last(var)	Assigns the value of last index to the variable var
next(var)	Assigns the value of next index to the variable var
prev(var)	Assigns the value of previous index to the variable var

EXAMPLE

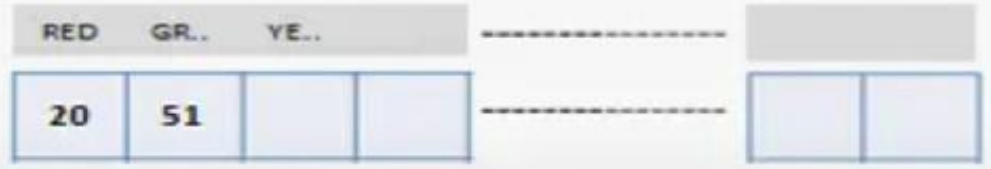
int a_array [*];



a_array["RED"] = 20;



a_array["GREEN"] = 51;



a_array["YELLOW"] = 36;

ASSOCIATIVE ARRAYS

An associate array is used where the size of a collection is not known or data space is sparse.

Why do we need an associative array?

- In an associative array, memory can be allocated when it is used.
- Elements of an array can be of any type. We can store the concatenation of various data types or class structures as well.
- When the size of the collection is unknown or the data space is sparse, an associative array is a better option.

Syntax:

```
data_type array_name [ index_type ];
```