Python & Leetcode:

A **dictionary** in Python is a map that contains an index for every value.

enumerate(nums): This function is used to iterate over a sequence (in this case, the nums list) and return both the index (i) and the corresponding value (n). It allows you to loop through both the indices and values of the elements in the list simultaneously.

- 'map[n] = i': This assigns the index ('i') as the value in the dictionary 'map' using the key as
 the element value ('n').
- `map[i] = n`: This would assign the value of the current element (`n`) as the value in the dictionary `map` using the key as the index (`i`). In the context of this code, it doesn't make sense to use `map[i] = n` because the goal is to track duplicates based on the values of the elements, not their indices.

Set:

- 1. 'hash_set = set()': This initializes an empty set named 'hash_set'. Unlike a list or dictionary, a set only stores unique elements, making it suitable for checking duplicates.
- 2. 'for i in nums: ': This loop iterates over the elements of the 'nums' list.
- 3. 'if i in hash_set: ': This checks if the current element 'i' is already in the set. If it is, a duplicate is found, and the function returns 'True'.