```
#15 Days of Coding Challenge
#Day 9
Subarray sum equals k
#Leetcode 560
Solution:
class Solution {
public:
   int subarraySum(vector<int>& nums, int k) {
       unordered map<int, int> subNum;
       subNum[0] = 1;
       int total = 0, count = 0;
       for (int n : nums) {
            total += n;
            if (subNum.find(total - k) != subNum.end()) {
                count += subNum[total - k];
            }
            subNum[total]++;
      return count;
   }
} ;
Time Complexity: O(n)
Space Complexity: O(n)
```