Two Sum : https://leetcode.com/problems/two-sum/

```java
class Solution {
    public int[] twoSum(int[] nums, int target)
    {

    HashMap<Integer, Integer> map = new HashMap<>();
        int[] result = new int[2];

        for (int i = 0; i < nums.length; i++) {
            int complement = target - nums[i];
            if (map.containsKey(complement)) {
                result[0] = map.get(complement);
                result[1] = i;
                return result;
            }
            map.put(nums[i], i);
        }
        // If no solution is found, return an empty array
        return new int[0];
    }
}
```