Given an array of integers, Return the **indices** of two numbers such that they add up to a specific target

Reasonable Assumptions:

def TwoSum(nums,target):

 $temp = {}$

** You can assume that each

** input has exactly 1 solution

** You can't use the exact

** same element

for index, value in enumerate(num):

if target-value in temp:

return [temp[target-value],index]

else:

temp[value]=index

Breakdown:

```
We want 2 to be the key
                   BLC the problem is asking us to
                    the INDICIES
                                                 return
              1 2 3
       2nd iteration
                  if farget-num in temp:
                  else 26-7 in \{2:0\} // False \{2:0\} // False
                         L> {2:0, 7:1}
            2 3
       3rd iteration
                 if target-num in temp:
                     26-11 in {2:0,7:13 // False!
                else
remainder of LD {2:0,7:1,11:2}

the input array 15
                    temp[11] = 2
                    if farget num in temp:
                        26-15 in 32:0,7:1, 11:23 // TRUE
                           Il is in the dictionary Temp
                      return [ Temp [26-15], index)
                             TEMP[11], 3
```

return (2,3) - Solved!