Problem 392: Is Subsequence. (Easy)

<https://leetcode.com/problems/is-subsequence/>

class Solution:

def isSubsequence(self, s: str, t: str) -> bool:

s\_idx = 0

t\_idx = 0

while s\_idx < len(s) and t\_idx < len(t):

if s[s\_idx] == t[t\_idx]:

s\_idx += 1

t\_idx += 1

return s\_idx == len(s)

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Explanation: O(n) time and O(1) space. My solution is faster than 90.78% of Python submissions.

1. Set the index for s and index for t to 0.
2. Traverse through t array. If there is a match between s array and t array, then advance the pointer for s array. Keep advancing the index for t array whether there is a match or not.
3. Check if the elements in s have all been found in t. For this, check if index for s is equal to the length of s.