

Day-6

Python DSA

Leetcode 128 Longest Consecutive Sequence

<https://leetcode.com/problems/longest-consecutive-sequence/>

Optimal Solution

```
class Solution:
    def longestConsecutive(self, nums: List[int]) -> int:
        ans=0
        seen = set(nums)

        for num in seen:
            if num-1 in seen:
                continue
            length =0
            while num in seen:
                num +=1
                length +=1
            ans = max(ans, length)
        return ans
```

Time Complexity- $O(N)$

Space Complexity – $O(N)$