Day 8 - **Time Complexity 1** ⌄
Mon, 20 Sep 2021

Mandatory

🔥 **0** Goal **0** /100 **2 hours left**

100%
Class Attendance

16 / 16
Problems Solved

Session 100%   Assignment 10/10 🔒   **Homework** 6/6 🔒   Help Requests   Discussion   Feedback 🔒

☷ **Question**   ♡ Hints   ⑦ Help Requests   💬 Discussions

☁ Your Score: 30   Max Score:

All
Q 1 ⊘
Q 2 ⊘
Q 3 ⊘
Q 4 ⊘
Q 5 ⊘
Q 6 ⊘

Q4. Time Complexity - 3.0 🔲   ⊘ Solved   🔖

Stuck somewhere?
Ask for help from a TA and get it resolved.

Get help from TA.

What is the Time Complexity of the below Code?

- C++
- Java
- Python

```cpp
void solve(){
    int i = 1;
    while(i < n){
        int x = i;
        while(x--){
            // O(1) operation
        }
        i++;
    }
}
```

```java
public void solve(){
    int i = 1;
    while(i < n){
        int x = i;
        while(x-- > 0){
            // O(1) operation
        }
        i++;
    }
}
```

```python
def solve():
    i = 1
    while i < n:
        x = i
        while x > 0:
            # O(1) operation
            x -= 1
        i += 1
```

You have already attempted this problem, to see your original answer, **Click Here** . However you can re attempt this problem but your score will not be revised

- ⚪ O(nlogn)

- ⚪ O(n)

- ⚪ O(n sqrt(n))

- 🟢 **O(n^2)**

- ⚪ None of the above