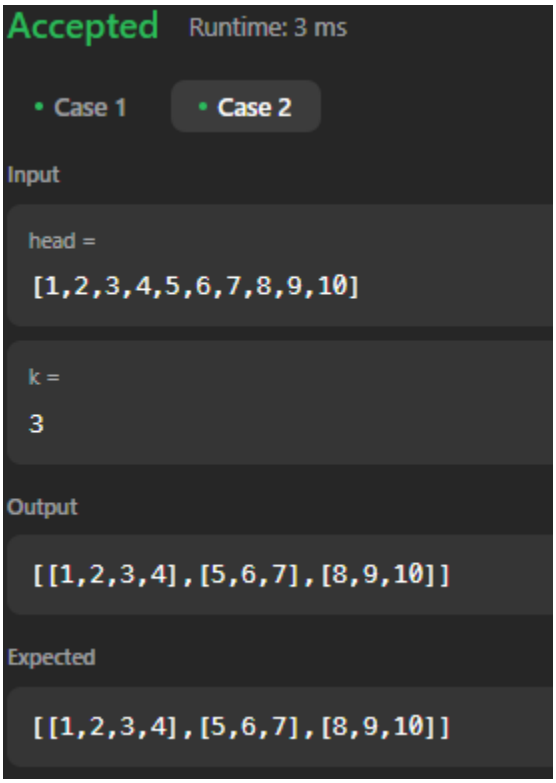
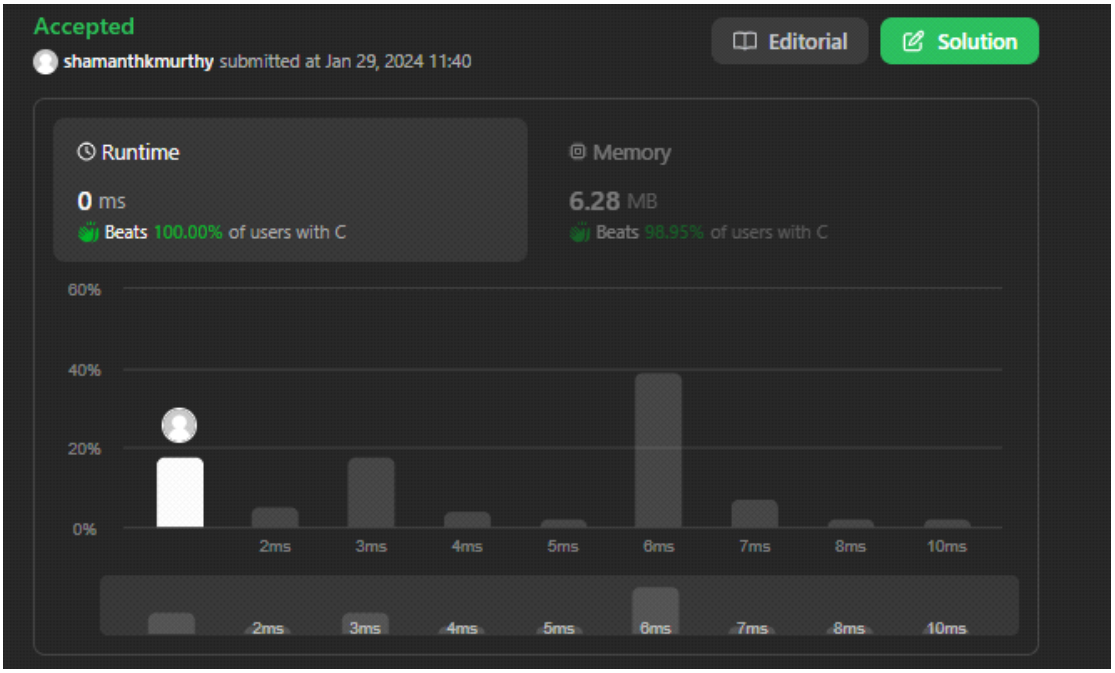
Lab - 29/01/24

PseudoCode:

```
struct ListNode** splitListToParts(struct ListNode* head, int k, int* returnSize) {
    struct ListNode **ans = (struct ListNode **)calloc(1, sizeof(struct ListNode *) * k);
    struct ListNode *prev;
    int base, len = 0, part = 0;

    for (struct ListNode *tmp = head; tmp; tmp = tmp->next) {
        len++;
    }

    base = len / k;

    for (int i = len % k; i > 0; i--) {

        ans[part] = head;
        part++;

        for (int i = 0; i < (base + 1); i++) {
            prev = head;
            head = head->next;
        }

        prev->next = NULL;
```

```
    }

    if (base) {
        for (int i = part; i < k; i++) {

            ans[part] = head;
            part++;

            for (int j = 0; j < base; j++) {
                prev = head;
                head = head->next;
            }

            prev->next = NULL;
        }
    }
    *returnSize = k;

    return ans;
}
```


Accepted
Runtime: 3 ms
Case 1
Case 2
Input
head =
[1,2,3,4,5,6,7,8,9,10]
k =
3
Output
[[1,2,3,4],[5,6,7],[8,9,10]]
Expected
[[1,2,3,4],[5,6,7],[8,9,10]]


Accepted
shamanthkmurthy submitted at Jan 29, 2024 11:40
Editorial
Solution
Runtime
0 ms
Beats 100.00% of users with C
Memory
6.28 MB
Beats 98.95% of users with C
60%
40%
20%
0%
2ms
3ms
4ms
5ms
6ms
7ms
8ms
10ms