OCCURRENCES OF A KEY IN A DOUBLY LINKED LIST

☆ In this problem, we are given a doubly linked list, our job is to delete all the occurrences of a given key.

Simple solution is to just modify links and delete the node from the memory whenever its value matches the key.

```
Node * deleteAllByKey (Node * head, int K) {
    Node * mover = head;
    Node * newHead = head;
    while (mover != nullptr) {
        if (mover -> data == K) {
            if (mover == head) {
                mover = mover -> next;
                newHead = mover;
                delete mover -> prev;
                mover -> prev = nullptr;
            } else {
                mover -> prev -> next = mover -> next;
                mover -> next -> prev = mover -> prev;
                Node * t = mover;
                mover = mover -> next;
                delete t;
            }
        } else {
```

```
                    mover = mover -> next;
            }
        }
}
    return newHead;
}
```