

Prelab #6

Spring 2025

For the prelab this week, you are to implement Prelab #5, but are to use a “dummy node” for your linked list. If you used a dummy node last time, you are in luck – just have a great lab! If not, just change your implementation to have a single dummy node that starts the list but does not contain any of the data that will be put into the list. Consider how this could simplify some of your implementation.

Here are the prototypes from last time:

```
LinkedList* initializeLinkedList(int*);
LinkedList* insertAtHead(int, LinkedList*, int*);
int getAtIndex(int, LinkedList*);
int getLinkedListLength(LinkedList*);
LinkedList * freeLinkedList(LinkedList*);
```

Here is the struct from last time:

```
typedef struct linkedListStruct
{
    int object;
    struct linkedListStruct* next;
} LinkedList;
```

Have a great week!