3. **(C/C++)** Write a function that removes a given node in a linked list container containing nodes of type LinkList. Assume that each LinkList node and its data pointer were originally allocated dynamically by either malloc (C code) or new (C++ code).

- Write all programs in cross-platform C/C++.
- Optimize for execution speed and robustness.

```c
typedef struct LinkList {
    struct LinkList *next;
    struct LinkList *prev;
    struct ImportantData *data;
} LinkList_t;

LinkList_t *headList;
```

Please enter results on the following page: