

```
4 typedef int DATATYPE;
5
6 typedef struct ListElement *ListElementPtr;
7 typedef struct ListElement
8 {
9     DATATYPE data;
10    ListElementPtr psNext;
11 } ListElement;
12
13 typedef struct List *ListPtr;
14 typedef struct List
15 {
16    ListElementPtr psHead;
17    int numElements;
18 } List;
19
20 //1. Write a function lstFind that searches for a node in the list containing
21 // the integer value, number, and returns a pointer to the node if it
22 // exists; otherwise, return NULL
```

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13 typedef struct List *ListPtr;
14 typedef struct List
15 {
16    ListElementPtr psHead;
17    int numElements;
18 } List;
19
20 //2. Write a function lstDelete that searches for a node in the list
21 // containing the integer value, number, and deletes the node if it exists.
```