Object-oriented Programming in C++

Practical Worksheet 7

Questions

*(Questions marked * need to be submitted to the NOW dropbox.)*

(Make a Visual Studio solution file by creating a new Visual Studio project for the first question. Add .cpp files, etc. Add further Visual Studio projects to this solution for each question.)

LECTURE 7

43. Write and test the `remove` function for the `List` class provided. It should remove the first object containing the given value, if it is found, and return 1; otherwise return 0.

44. Rewrite your program from question 38 to use a linked list instead of an array to store the cars dynamically. (The list object should contain a *pointer* to a `Car` as its data)

45*. Write and test further functions for your `List` class from question 43:

- `removeLast, removeAll;`
- `insertBefore`, `insertAfter` - with position as a parameter.

46*. Write and test code for other linked lists:

- singly linked lists: stack, queue (see lecture notes);
- a doubly-linked list.
