Circular linked list assignment

In this assignment, you need to design a circular linked list of integers. The ADT should provide the following functions

1) add - add a new integer to the list

2) remove - remove an integer from the list

3) isEmpty - is the list empty or not?

You have to ensure that these functions run 'fast'.

You should also provide a short writeup explaining how good the above three functions are. The writeup can include how many nodes are visited when you call each of these functions.

Deliverables:

1) Circular linked list code

2) Short writeup on the number of nodes visited for each of these functions. You can submit this as a separate pdf file.