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1  /*
2  Filename: p7.h
3  Author(s): Zachary Rea and Parker Ross
4  Date: 7 March 2023
5  Description: The header file for p7
6  */
7  #ifndef __P7_H
8  #define __P7_H
9
10 //*****
11 class intList {
12 private:
13     int *a;
14     int listCapacity;
15     int listSize;
16 public:
17     //Constructors and Destructors
18     intList (int listCapacity = 100); //Zach
19     ~intList (); //Zach
20     //Public Functions
21     bool insert (int key); //parker
22     bool add (int key); //parker
23     bool insertAt (int index, int key); //parker
24     bool deleteAt (int index, int &key);
25     void clear(); //Zach
26     void printIt(int n) const; //Zach
27     int getIndex(int key) const;
28     int readAt(int index, int &key) const; //parker
29     int capacity() const; //Zach
30     //Sorting Functions
31     void bubbleSort();
32     void selectionSort();
33     void insertionSort();
34     //Sorting Check
35     bool isSorted() const;
36     //Swap Function
37     void swap(int *i, int *j) const;
38 };
39
40 #endif

```