

```
1 //-----
2 #ifndef LinkedList2H
3 #define LinkedList2H
4 //-----
5 class TListNode {
6     friend class TList; // make TList a friend to have the access to private members
7 private:
8     int Data;
9     TListNode *nextPtr;
10 public:
11     TListNode();
12     ~TListNode();
13     int getData() const { return Data; };
14     TListNode* getNextPtr() const { return nextPtr; };
15 };
16
17 class TList {
18 public:
19     TListNode *firstPtr;
20     TListNode *lastPtr;
21 public:
22     TList();
23     ~TList();
24     bool isEmpty() const { return firstPtr == NULL; }; // inline metoda
25     void insertAtFront(const int &);
26     void insertBeforeElement(const int &);
27     void insertAtBack(const int &);
28     int removeFromFront(int &);
29     int removeFromBack(int &);
30     void sortElements();
31     void print() const; // Cvicenie: skuste miesto print() pretazit operator <<
32 };
33 #endif
```