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#include <iostream>

#include <vector>

using namespace std;

class ADTList {
private:
    vector<int> list;
public:

    ADTList() {
        list = {10, 20, 30, 40};
    }

    void display() {
        cout << "List: ";
        for (int i = 0; i < list.size(); i++) {
            cout << list[i] << " ";
        }
        cout << endl;
    }

    void insert(int element) {
        list.push_back(element);
        cout << "Inserted " << element << " into the list." << endl;
    }

    void deleteElement(int element) {
        for (auto it = list.begin(); it != list.end(); it++) {
            if (*it == element) {
                list.erase(it);
                cout << "Deleted " << element << " from the list." << endl;
            }
        }
    }
};

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        return;
    }
}

cout << element << " not found in the list." << endl;
}
};
```

```
int main() {
    ADTList myList;

    myList.display();

    myList.insert(50);
    myList.display();

    myList.deleteElement(20);
    myList.display();

    return 0;
}
```