

Bahria University, Islamabad Department of Software Engineering Data Structures & Algorithms Lab (Spring-2024)

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**Comments:** 

Signature

## Code:

## List.h

```
newNode->prev = p->prev;
```

```
std::cerr << "List is Empty";</pre>
```

## Main

```
#include <iostream>
#include <vector>
#include "list.h"
using namespace std;

vector<Nodeptr> userInput() {
    vector<Nodeptr> cars;
    cout << "How many Car do you want to register?\n=> ";
    int carNum;
    cin >> carNum;
    for (int i = 0; i < carNum; i++) {
        Nodeptr newNode = new Node;
        int ccInput;
        cout << "Car " << i + 1 << ": \n";
        cout << "Enter Car Engine Capacity (cc): ";
        cin >> ccInput;
```

```
newNode->cc = ccInput;
```