

```
//Creating a Linked List
```

```
struct node {  
    int x;  
    node *next;  
};  
  
int main()  
{  
    node *root;    // This won't change, or we would lose the list in memory  
    node *conductor; // This will point to each node as it traverses the list  
  
    root = new node; // Sets it to actually point to something  
    root->next = 0; // Otherwise it would not work well  
    root->x = 12;  
    conductor = root; // The conductor points to the first node  
    if ( conductor != 0 ) {  
        while ( conductor->next != 0 )  
            conductor = conductor->next;  
    }  
    conductor->next = new node; // Creates a node at the end of the list  
    conductor = conductor->next; // Points to that node  
    conductor->next = 0; // Prevents it from going any further  
    conductor->x = 42;
```

From Alex Allain

<http://www.cprogramming.com/tutorial/lesson15.html>