

Re: simple question on linked list insert

Source: <http://coding.derkeiler.com/Archive/C/ CPP/alt.comp.lang.learn.c-cpp/2004-01/1518.html>

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Digital Puer wrote:

>

> *Can someone explain why the linked list insertion code (emphasised below)*

> *does not work? It is a function to create a linked list and insert*

> *two elements. The code in question creates the head fine, but*

> *subsequent nodes are not inserted.*

When working with dynamic data structures, your best friend is a piece of paper, a pencil and an eraser.

To figure out whar a piece of code does, you play computer and execute everything on paper what your program tells you to do.

>

> */* this function creates a linked list with two integers */*

> *void insert(Node **head, int a, int b)*

> *{*

>

head a b

```
+-----+ +-----+ +-----+
| o-----+ | 10 | | 20 |
+-----+ | +-----+ +-----+
```

|

|

v main::head

```
+-----+
```

||

```
+-----+
```

> *Node *ptr;*

head a b

```
+-----+ +-----+ +-----+
| o-----+ | 10 | | 20 |
+-----+ | +-----+ +-----+
```

|

|

v main::head

alt.comp.lang.learn.c-c++: Re: simple question on linked list insert

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