

PointerExample

```
#include <iostream>

using namespace std;

/* This program will show how the * and & work. */

int main()
{
    int* x;
    int c = 200;
    int p;

    x = &c; //x now points to the variable c
    p = *x; //p contains the value stored in the address x points to

    cout << "The address of the memory location of x: " << x << endl;
    cout << "The value stored at the address contained in x: " << *x << endl;
    cout << "The contents of the variable p: " << p << endl;

    return 0;
}
```

The address of the memory location of x: 0012FF34
The value stored at the address contained in x: 200
The contents of the variable p: 200