Here is the output:

Stock holdings:
Company: NanoSmart  Shares: 12
  Share Price: $20.00  Total Worth: $240.00
Company: Boffo Objects  Shares: 200
  Share Price: $2.00  Total Worth: $400.00
Company: Monolithic Obelisks  Shares: 130
  Share Price: $3.25  Total Worth: $422.50
Company: Fleep Enterprises  Shares: 60
  Share Price: $6.50  Total Worth: $390.00

Most valuable holding:
Company: Monolithic Obelisks  Shares: 130
  Share Price: $3.25  Total Worth: $422.50

One thing to note is how most of the work goes into designing the class. Once that's done, writing the program itself is rather simple.

Incidentally, knowing about the this pointer makes it easier to see how C++ works under the skin. For example, the C++ front end cfront converts C++ programs to C programs. To handle method definitions, all it has to do is convert a C++ method definition like

```cpp
void Stock::show() const
{
    cout << "Company: " << company
         << "  Shares: " << shares << "\n"
         << "  Share Price: $" << share_val
         << "  Total Worth: $" << total_val << "\n";
}
```

to the following C-style definition:

```c
void show(const Stock * this)
{
    cout << "Company: " << this->company
         << "  Shares: " << this->shares << "\n"
         << "  Share Price: $" << this->share_val
         << "  Total Worth: $" << this->total_val << "\n";
}
```