```cpp
strcpy(company, "no name");
shares = 0;
share_val = 0.0;
total_val = 0.0;
}

Stock::Stock(const char * co, int n, double pr)
{
    strncpy(company, co, 29);
    company[29] = \0;
    shares = n;
    share_val = pr;
    set_tot();
}

// other methods
void Stock::buy(int num, double price)
{
    if (num < 0)
    {
        cerr << "Number of shares purchased can't be negative. "
             << "Transaction is aborted.\n";
    }
    else
    {
        shares += num;
        share_val = price;
        set_tot();
    }
}

void Stock::sell(int num, double price)
{
    if (num < 0)
    {
        cerr << "Number of shares sold can't be negative. "
             << "Transaction is aborted.\n";
    }
```