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#include <iostream>
#include <string>
#include <iomanip>
using namespace std;

int main() {
    double pine = 0.89;
    double fir = 1.09;
    double cedar = 2.26;
    double maple = 4.50;
    double oak = 3.10;

    char type = 'P';
    int pieces;
    int width;
    int height;
    int length;
    double totalCost = 0;
    double cost;

    while (type != 'T') {
        cout << "Enter item: ";
        cin >> type;

        if (type == 'T')
            break;
        else {
            cin >> pieces >> width >> height >> length;
            string woodType;
            switch (type) {
                case 'P':
                    cost = pine * pieces * (width * height * length) / 12;
                    woodType = "Pine";
                    break;
                case 'F':
                    cost = fir * pieces * (width * height * length) / 12;
                    woodType = "Fir";
                    break;
                case 'C':
                    cost = cedar * pieces * (width * height * length) / 12;
                    woodType = "Cedar";
                    break;
                case 'M':
                    cost = maple * pieces * (width * height * length) / 12;
                    woodType = "Maple";
                    break;
                case 'O':
                    cost = oak * pieces * (width * height * length) / 12;
                    woodType = "Oak";
                    break;
                default:
                    cout << "You entered the wrong wood type, try again." << endl;
            }
            totalCost = totalCost + cost;
            cout << pieces << " " << width << "x" << height << "x" << length <<
            " " << woodType << ", cost: $" << setprecision(2) << fixed << cost << endl;
        }
    }
}

```

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cout << "Total cost: $" << setprecision(2) << fixed << totalCost << endl;  
return 0;  
}
```