

Programming 1

float.cpp

Objectives

Students who successfully complete this program will be able to:

- Create a program with variables
- Format information to the console window
- Use C++ operators for mathematical operations

Directions

Write a program that calculates the cost of building a homecoming float. Comments and spacing will be a part of your overall assessment.

Requirements:

1. Ask the user for the quantity of each of the supplies on the following list:

Sheet of plywood	6.29
Cans of spray paint	1.79
Roll of duct tape	1.19
Roll of crepe paper	.49
Balloons	1.29
Bags of Jolly Ranchers	2.39

2. The cost of each of the supplies should be a **constant** declared at the top of the program.
3. Calculate the total cost of supplies.
4. Add 10 percent for miscellaneous (pens, pencils, staples, etc.)
5. Print to the screen the amounts of supplies requested and the total cost of the float.

Example:

How many sheets of plywood will you need? 2
How many cans of spray paint will you need? 3
How many rolls of duct tape will you need? 4
How many rolls of crepe paper will you need? 5
How many balloons will you need? 6
How many bags of Jolly Ranchers will you need? 7

You ordered 2 sheets of plywood: \$12.58
You ordered 3 cans of spray paint: \$5.37
You ordered 4 rolls of duct tape: \$4.76
You ordered 5 rolls of crepe paper: \$2.45
You ordered 6 bags of balloons: \$7.74
You ordered 7 bags of Jolly Ranchers: \$16.73
The cost of miscellaneous supplies: \$4.963

The total cost of your float will be \$54.593