

Functions Programming Problems

1. Write a program that asks the user to enter an item's wholesale cost and its markup percentage. It should then display the item's retail price. For example:
 - If an item's wholesale cost is 5.00 and its markup percentage is 100 percent, then the item's retail price is 10.00.
 - If an item's wholesale cost is 5.00 and its markup percentage is 50 percent, then the item's retail price is 7.50.

The program should have a method named `calculateRetail` that receives the wholesale cost and the markup percentage as arguments, and returns the retail price of the item.

2. A painting company has determined that for every 115 square feet of wall space, one gallon of paint and eight hours of labor will be required. The company charges \$18.00 per hour for labor. Write a program that allows the user to enter the number of rooms to be painted and the price of the paint per gallon. It should also ask for the square feet of wall space in each room. The program should have methods that return the following data:

- The number of gallons of paint required
- The hours of labor required
- The cost of the paint
- The labor charges
- The total cost of the paint job

Then it should display the data on the screen.