

Problem 1: Annual Pay

Suppose an employee gets paid every two weeks and earns \$1700.25 each pay period. In a year the employee gets paid 26 times. Write a program to calculate the employee's total annual pay. In the beginning of the program you should define the following variables:

payAmount This variable will hold the amount of pay the employee earns each pay period. **Initialize** it with the amount the employee earns each pay period.

payPeriods This variable will hold the number of pay periods in a year. **Initialize** it with the number of times the employee will get paid in a year.

annualPay This variable will hold the employee's total annual pay, which will be calculated.

The program should calculate the employee's total annual pay by multiplying the employee's pay amount by the number of pay periods in a year, and then stores the result in the **annualPay** variable (using assignment statement). In the end your program should display a message on the screen showing how much the employee will earn in a year.

Sample Printout: **The employee's total annual pay is \$44206.5**

Problem 2: Stock Commission

Kathryn bought 600 shares of stock at a price of \$21.77 per share. She must pay her stock broker a 2 percent commission for the transaction. Write a program that calculates and displays the following:

- The amount paid for the stock alone (without the commission)
- The amount of the commission
- The total amount paid (for the stock plus the commission)

You should first prepare the data by defining a variable for every value that will be used in the program and initialize the variable if its value is already known. For example:

```
double share_price = 21.77;
```

Use meaningful names for all the variables. Then calculate the above three values and store them in the corresponding variables. Finally display three separate messages to show the three calculated values.

Sample Printout: **The amount paid for stock alone is \$13062**
 The amount of the commission is \$261.24
 The total amount paid is \$13323.24