```
1 /*************************************************
2  * AUTHOR         : Carl Argila
3  * ASSIGNMENT #1 : Basic Input / Output
4  * CLASS          : CS1B
5  * SECTION        : Tue 6PM - 8:50PM
6  * DUE DATE       : 9/4/2012
7  * ************************************************/
8
9 #include <iostream>
10 #include <iomanip>
11 using namespace std;
12
13 /*************************************************************
14  *
15  * COMPUTE RETROACTIVE PAY
16  * _____________________________________________________________
17  * This program accepts as user input an employee
18  * name, current annual salary and percent increase
19  * and computes a new annual salary, new monthly
20  * salary and retroactive pay due.  The program will
21  * execute three times prompting the user for the
22  * appropriate input and then displaying the computed
23  * values for the given input.
24  *
25  * Computations are based on the assumption that input
26  * values are effective on January 1 and calculations
27  * are effective for July 1.
28  * _____________________________________________________________
29  * INPUT
30  *   nameFull       : Employee's full name
31  *   salaryCurrent  : Current annual salary
32  *   percent        : Percent increase due
33  *
34  * OUTPUT
35  *   salaryNew      : New salary after applying rate increase
36  *   salaryMonthly  : New monthly salary
37  *   retroactivePay : Retroactive pay due employee
38  *
39  *************************************************************/
40
41 int main()
42 {
43     /************************************************
44      * CONSTANTS
45      * ----------------------------------------------
46      * MONTHS       : Total number of months
47      * RETRO_MONTHS : Number of months retroactive
48      ************************************************/
49     const int MONTHS = 12;
50     const int RETRO_MONTHS = 6;
51
52     char nameFull[30];       // INPUT - Employee's full name
53     float salaryCurrent;     // INPUT - Current annual salary
54     float percentIncrease;   // INPUT - Percent increase due
55     float salaryNew;         // OUTPUT - New salary after increase
56     float salaryMonthly;     // OUTPUT - New monthly salary
57     float retroactivePay;    // OUTPUT - Retroactive pay due employee
58     int count;               // CALC - Counter for loop
59
```