5% of $105, or $5.25, and so on. Write a program that finds how many years it
takes for the value of Cleo's investment to exceed the value of Daphne's
investment and then displays the value of both investments at that time.

4: You sell *C++ For Fools*. Write a program that has you enter a year's worth of
monthly sales (in terms of number of books, not of money). The program should
use a loop to prompt you by month, using an array of *char* * initialized to the
month strings and storing the input data in an array of *int*. Then, the program
should find the sum of the array contents and report the total sales for the year.

5: Do Programming Exercise 4 but use a two-dimensional array to store input for
three years of monthly sales. Report the total sales for each individual year and
for the combined years.

6: Design a structure called *car* that holds the following information about an
automobile: its make as a string in a character array and the year it was built as
an integer. Write a program that asks the user how many cars to catalog. The
program then should use *new* to create a dynamic array of that many *car*
structures. Next, it should prompt the user to input the make (which might
consist of more than one word) and year information for each structure. Note
that this requires some care, for it alternates reading strings with numeric data
(see *Chapter 4*). Finally, it should display the contents of each structure. A
sample run should look something like the following:

```
How many cars do you wish to catalog? 2
Car #1:
Please enter the make: Hudson Hornet
Please enter the year made: 1952
Car #2:
Please enter the make: Kaiser
Please enter the year made: 1951
Here is your collection:
1952 Hudson Hornet
1951 Kaiser
```

7: Write a program using nested loops that asks the user to enter a value for the
number of rows to display. It then displays that many rows of asterisks, with one