

BCS 345 Lab – Classes 1 - SalesPerson

Overview

Create a class that contains sales person information.

Part 1

Write a program that contains a SalesPerson class. The SalesPerson class should store a salesperson's name and sales total.

You should write get/set methods for the name and sales total class variables.

Write a method called StatusMessage() that will print "Performing well" if the sales total is ≥ 100 otherwise print "Not meeting expectations".

Inside of main() create an instance of the SalesPerson class. Use the set methods to put data into the instance. You should also call the StatusMessage() method from main().

Part 2

Create a file containing sales person names and sales totals. Each line should have a name followed by a sales total. Use some kind of white space to separate the data on each line. This means that each line of the input file should contain one "record".

Create a new method on the SalesPerson class called QuotaDifference(). QuotaDifference () should return the amount above or below the quota that the sales person is currently at. Assume the quota is 100. For example, if the sales person's sales total is 110 and the quota is 100 then the method should return 10. If the sales total is 80 and the sales quota is 100 then the method should return -20.

Read in the data from the file you created using the Scanner class. For each record read from the file, you should display the name, sales total and quota difference.

Part 3

Update the program so that it prints the results to a file instead of the screen.

Part 4

Update the program so that it prints data in report format (columns, headers, totals).