

Array Practice Questions

Think about object oriented design as you construct solutions to these problems.

1. What Day Is It?

Write a program that lets you enter a number from 1 to 7 and that returns the name of the day of the week. Your program should continue asking for week numbers until you enter a negative integer, at which time it stops. Use an array that you initialize with the days of the week (ie 1 = Sunday, 2 = Monday, etc).

2. Simple Math

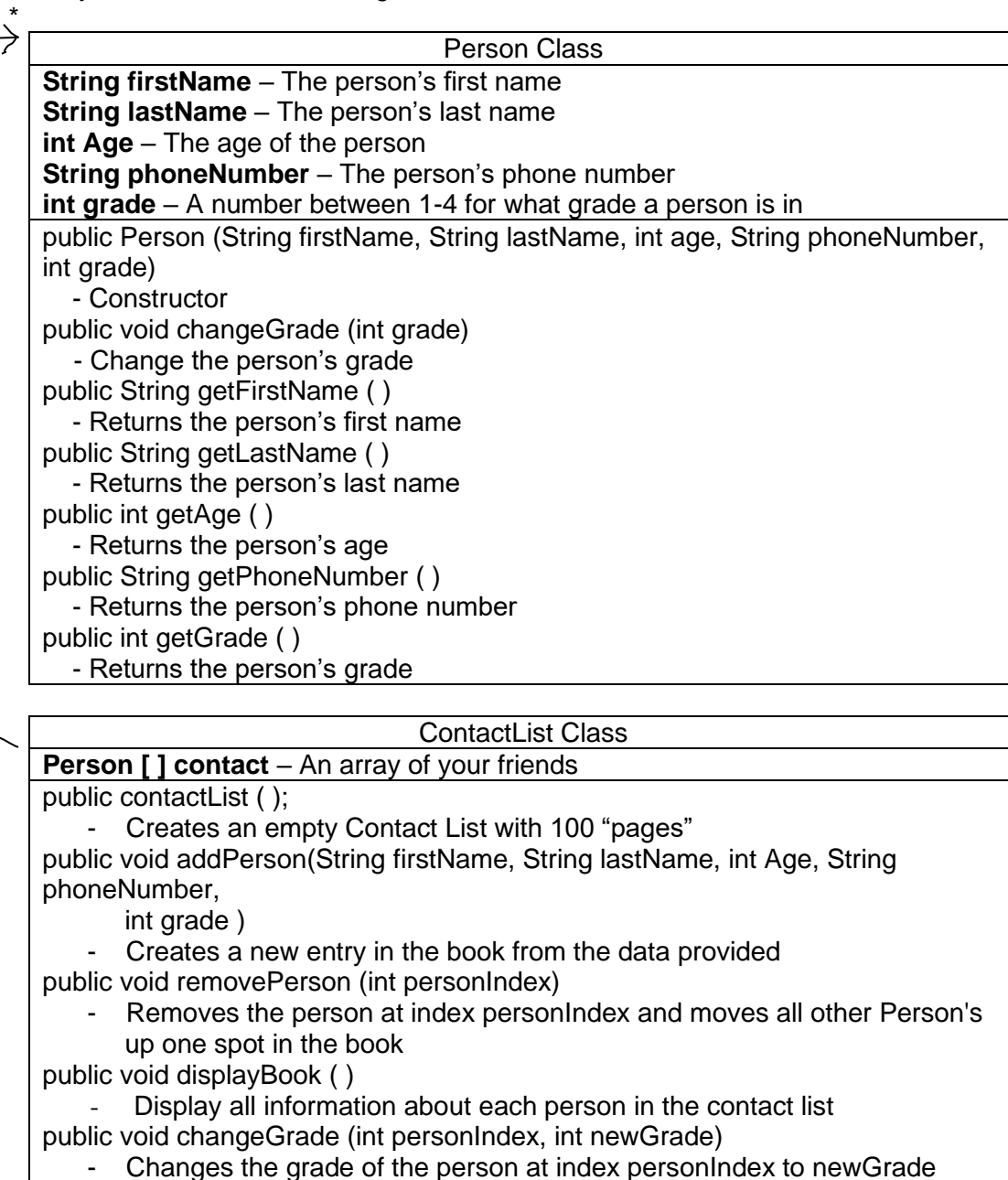
Create a program that allows the user to input an array of numbers and then uses the array to determine the largest and smallest numbers as well as the sum of all the elements in the array. Create a class call arrayStats and include methods to find the max, min and sum of an integer array.

3. Daily Temperatures

Write a program that inputs a set of daily high temperatures from a file into an array. The first element of the file defines how many temperature data points there are in the file. Have the program output the maximum temperature, minimum temperature, the average temperature and number of times that each high was achieved. Use your arrayStats class created in Q2.

4. Contact List

You need to create a program to help him keep track of all your friends. To do this you will need the following classes:



Note: You will need a third class that will interact with the user to use the Contact List through a menu system that you design.