1 Introduction

This is a very simple project taken from your text book. It is on page 743. It is programming project 6. This one is a much simpler project, and you should bale to complete it by the end of Thanks giving. In fact, if you make the effort, you perhaps will finish it in less than a day. The following is the text of the question taken from your book.

• Write a program to enter employee data including Social Security Number and salary, into an array.

• The maximum number of employees is 100 but, your program should also work for any number of employees less than 100.

• Your program should use two exception classes, one called SSNLengthException for when the socioal security number entered - without dashes and spaces - is not exactly nine characters and the other called SSNCharacterException for when any character in the social security number is not a digit.

• When an exception is thrown, the user should be reminded of what she or he entered, told why it is in appropriate, and asked to reenter the data.

• After all the data has been entered, your program should display the records for all employees, with an annotation stating whether the employee’s salary is above or below the average.
• You will also need to define the classes Employee, SSNLengthException, and SSNCharacterException. Derive the class Employee from the class Person in listing 8.1 of chapter 8.

• Among other things, the Employee class should have constructors, accessor methods, and mutator methods.

• Every Employee object should record the employee’s name as defined in Person class, salary, and Social Security Number, as well as any other data you need or think is appropriate.