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CPT187 – C02

Chapter 10 - Program 6

REQUIREMENTS

Date Submitted:	4/16/2023
Application Title:	Patient Charges
Purpose:	The program will create a class that holds data about a patient and a class that holds data about different procedures.
Program Procedures:	First, start the program.
Algorithms, Processing, and Conditions:	<ol style="list-style-type: none">1) Program calls main function2) Main function creates an instance of the Patient class3) The patient's first name, middle name, last name, address, city, state, ZIP code, phone number, emergency contact name, and emergency contact number4) The Patient class accepts attributes and stores them in variables5) Mutators for each variable are created6) Accessors for each variable are created7) String method is utilized to store data8) Data from instance is printed9) Main function creates three instances of the Procedure class10) For each instance, the procedure name, date, practitioner, and charge attributes are accepted and stored in variables11) Mutators for each attribute are created12) Accessors for each attribute are created13) Headers for the table are printed14) Each procedure name, date, practitioner, and charge are printed15) Sum of procedure charges is calculated16) Total charge is printed
Notes and Restrictions:	Data must be in acceptable format for program to utilize otherwise default values will be used instead.

Comments:	This program makes use of privatized attributes to prevent data manipulation.
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USE CASE

- 1) User starts the program
- 2) Program prints data.