

AP Chapter 11 Program Three Part I

Name _____

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Pts: 15

class hour _____

Getting started:

Open and save on your h drive the driver (client) file of AP1ch11TestProgram3

You will use all the classes from Chapter 11 Program One.

Have the superClass (PrecalcClasses) implement the Comparable interface.

Answer:

1) What method must PrecalcClasses now have in it? _____

I. Use the test program already written called AP1ch11TestProgram3 to get the *exact* output below by modifying the appropriate class. Answer:

1) What are the 3 methods that will need to be coded?

2) What is the return type of the compareTo() method? 2) _____

3) What is the return type of the equals() method? 3) _____

4) What is the return type of the toString() method? 4) _____

When perfect, show your teacher the coding and output (run).
then print out the code for new class and turn in with this sheet.

(teacher signature)

Output:

toString():

Chris Doe's id is 11111 year in school is 11 and class hour is 1

Chris Poe's id is 33333 year in school is 10 and class hour is 5

compareTo():

The first person's class hour is the same as the second one's.

The first person's class hour is greater than the second one's.

The first person's class hour is less than the second one's.

equals():

The first person's year is the same as the second one's.

The first person's year is not the same as the second one's.

Bye

(over)

II. Use the test program already written called AP1ch11TestProgram3 to answer the following.

1) In the PrecalcClasses class delete the implementing of the Comparable interface
Run AP1ch11TestProgram (there should be no error).
Did you get the same output as what is on the other side? (yes/no) _____

2) In the PrecalcClasses class comment out the entire equals method (heading and body)
Run AP1ch11TestProgram (there should be no error).
Did you get the same output as what is on the other side? (yes/no) _____

3) In the PrecalcClasses class comment out the entire toString method (heading and body)
Run AP1ch11TestProgram (there should be no error).

Explain your answer to #2 above by using what you observed for the output in #3 above.

4) In the PrecalcClasses class comment out the entire CompareTo method
(heading and body)

Run AP1ch11TestProgram. What happened?

Turn in this sheet to be graded!