

- I. Program 1: (Note: Start a new program titled **Employee1a.java** and a test (driver/client) file called **Employee1Testa.java** which will contain the main method. (25 pts)

Requirements:

- 1) Use appropriate comments before the line **public class Employee1a** in your program:
 - a) Name of program
 - b) Your name
 - c) Class hour

- 2) A) Do Exercise P2.8 on page 75
(Note: Read pages 51-69 to see some further examples especially section 2.1 on pages 62-65)
 - (1) Create 2 objects called person1 and person2
 - (a) Have person1 go to the default constructor and have values of J Doe and 7.5 as the default values for name and salary (pay per hour).
 - (b) Have person2 go to a constructor where your name and 10.5 are passed as paramaters and stored in the appropriate instance fields

 - B) Do 2 method calls to value returning methods to return and output (in the EmployeeTest main() method)
 - (1) just the name - an instance field
 - (2) just the salary (pay per hour) - an instance field

 - C) Declare another private instance final static field variable with a value of 10 representing the hours worked. (Note: This is called a class variable.)

 - D) Add a third method, which is a void method, that calculates and outputs the pay per week
Note: pay per week = salary (pay per hour) times hours worked

- 3) Output will look like:
Person1's name is J Doe
Person2's name is *Your Name*
Person1's salary is 7.5
Person2's salary is 10.5
Person1's pay for the week is \$75.0
Person2's pay for the week is \$105.0

- 4) Save **Employee1a.java** and **EmployeeTest1a.java**, Run, and debug.

When perfect, show your teacher the coding and output (run).

(teacher signature)

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II. Program 2: (Note: Start a new program titled **Employee1b.java** and a test (driver/client) file called **Employee1Testb.java** by modifying the previous programs and renaming them. (5 pts)

Requirements:

- 1) Use appropriate comments before the line **public class Employee1b** in your program:
 - a) Name of program
 - b) Your name
 - c) Class hour

- 2) A) Change the final static variable, representing the hours worked, to just a double with no value (10) assigned to it.

B) Pass to the constructors a parameter that will represent the hours worked for each object created.
 - (1) the default will be 0 hours worked
 - (2) person2 will work 20 hours

- 3) Output will look like:
Person1's name is J Doe
Person2's name is *Your Name*
Person1's salary is 7.5
Person2's salary is 10.5
Person1's pay for the week is \$0.0
Person2's pay for the week is \$210.0

- 4) Save **Employee1b.java** and **EmployeeTest1b.java**, Run, and debug.

When perfect, show your teacher the coding and output (run).

(teacher signature)

Turn in this sheet to be graded!