



COP 2800, Java Programming

Assignment 9 (25 points)

Modify the payroll system of Figs. 10.4-10.9 to include an additional Employee subclass TemporaryPieceWorker that represents an employee whose pay is based on the number of pieces of merchandise produced. Class TemporaryPieceWorker should contain private instance variables wage (to store wages per piece) and pieces (to store number of pieces produced). Provide a concrete implementation of method earnings in class TemporaryPieceWorker that calculates the employees earnings (wages * number of pieces). Create an array of Employee variables to store references to objects of each concrete class in the new Employee hierarchy. Display each Employees details (String representations and earnings).

Grade rubric:

Program detail comments	5
Program code file (.java)	10
Ran program screen shot	5
Assessment/Reflection	3
Challenges	2
Total	25

Please upload the files in the Assignment 9 folder.

Purpose: The purpose of this assignment is to test your comprehension of arrays, classes, objects, constructors, inheritance and polymorphism.