CSC112 – Spring 2021 Lab #4 Gradesheet

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Note: Do not grade work submitted with compiler errors. Code with compiler errors is late, and must be fixed by the student before we will grade it.

1. Vehicle Class (28 pts,7 pts for each item ):
   1. create Vehicle constructor -Yes
   2. create getters and setters for the data members get tag -Yes
   3. implement the basic *Vehicle* tax is computed as 5*.*5% of the purchase price, depreciated uniformly over ten years -Yes, but incorrect mathematics resulting in overcharging for the vehicles, therefore affecting the other getTax methods that used this method. Also, after 10 years, there should be no taxes due for the vehicle! (-4)
   4. (d) override toString method to print the vehicle info -Yes
2. Car Class (28 pts,7 pts for each item ):
   1. create Car constructor using Super -Yes
   2. override Vehicle method getType, getTax -Yes
   3. implement the car tax includes a $17*.*45 road use tax, plus the basic *Vehicle* tax, plus a $15 tax if the *Car* has tinted windows, plus, if the *Car* has more than 2 doors, a $4*.*73 tax for each *Car* door. -Yes, but tax = (double)Math.round(tax \* 1000) /1000; seems unnecessary
   4. override toString method to print the car info -Yes
3. Truck Class (28 pts,7 pts for each item ):
   1. create Truck constructor using Super -Yes
   2. override Vehicle method getType, getTax -Yes
   3. implement the truck tax includes a $50*.*75 road use tax, plus the basic *Vehicle* tax, plus, if the *Truck* is weighted over 2 tons, a charge of $100 for each ton of weight. -Yes
4. create an input file, with at least 20 entries in comma separated values

(CSV) format, of *Vehicle*s, *Car*s and *Truck*s. (12 pts) -Yes, hardcoded

1. display the tax information in a JFrame window using the given *DisplayTaxResult()* ( 4 pts) -Yes
2. Readibility (0=OK/-5=Needs More/-10=Offensive) – Good Work!

Overall: 96 / 100

Comments: Good Job, just don’t be afraid to ask question if you believe your approach to the problem might be wrong!