The Used Car Lot



A used car lot has numerous used cars ready to be re-sold to the public. Each car requires a license plate before it leaves the lot.

- a) All license plates issued start with, "AC56" and then contain an incrementing number, e.g. "AC56 0001", "AC56 0002", "AC56 0003" etc. Hint: String.format("%04d",nextNumber) will be helpful for formatting the integer with leading zeros.
- b) Each car has a price manufacturer, model, and licence plate.

e.g. \$19,000.00 Toyota

Prius AC56 0001

- c) Each licence plate generated has a unique License Plate Number.
- d) Create two classes i.e., a Car and a Plate
- e) Draw the UML diagrams for both the car and the plate classes
- f) Code into Java the two classes and a TestProgram. The TestProgram should instantiate at least two cars and output as follows:



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