

# CMPE 331- Software Engineering Concepts

## Worksheet 1

October 3, 2018

1. In this work, you need to create UML Class Diagram and Java code of the classes given below.

(a) You need to create a "Vehicle" class

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plate(String), tire(int), self(boolean) attributes  
A class constructor method  
Should have all the getters and setters methods.

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(b) With a sub Car class

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colour(String), speed(double) attributes  
A class constructor method  
A public calculateSpeed(int tires, double speeds) : double

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(c) calculateSpeed method just multiplies the speed of the car(speeds) with the number of tires (tires) and returns the solution Please show the connection between two classes in your diagram.