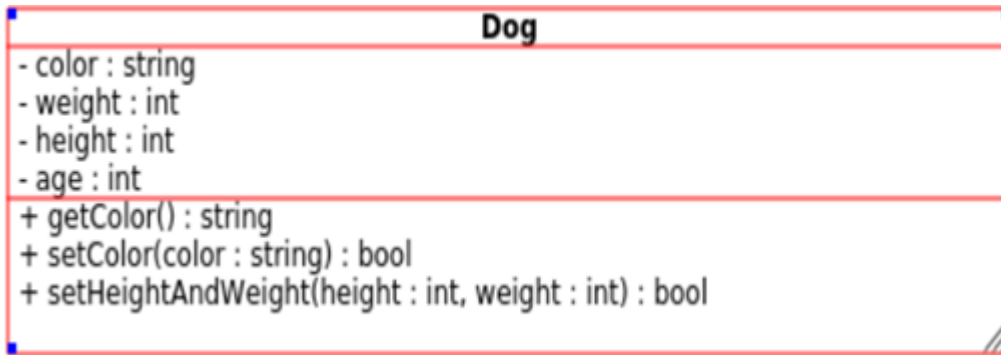# OLQ9
Study Guide

Part 1

Can you create the class from the class diagram?

Can you write the code for the constructor and the instance methods (if given implementation details) for this class?

Part 2

As always, make sure you understand mistakes from past OLQs.

Part 3

If Circle is a subclass of Shape and you were given the class diagram, could you write the code for the class (given implementation details)? Do you know how to use `extends` to create a subclass?

Part 4

You will be asked questions about inheritance and polymorphism.