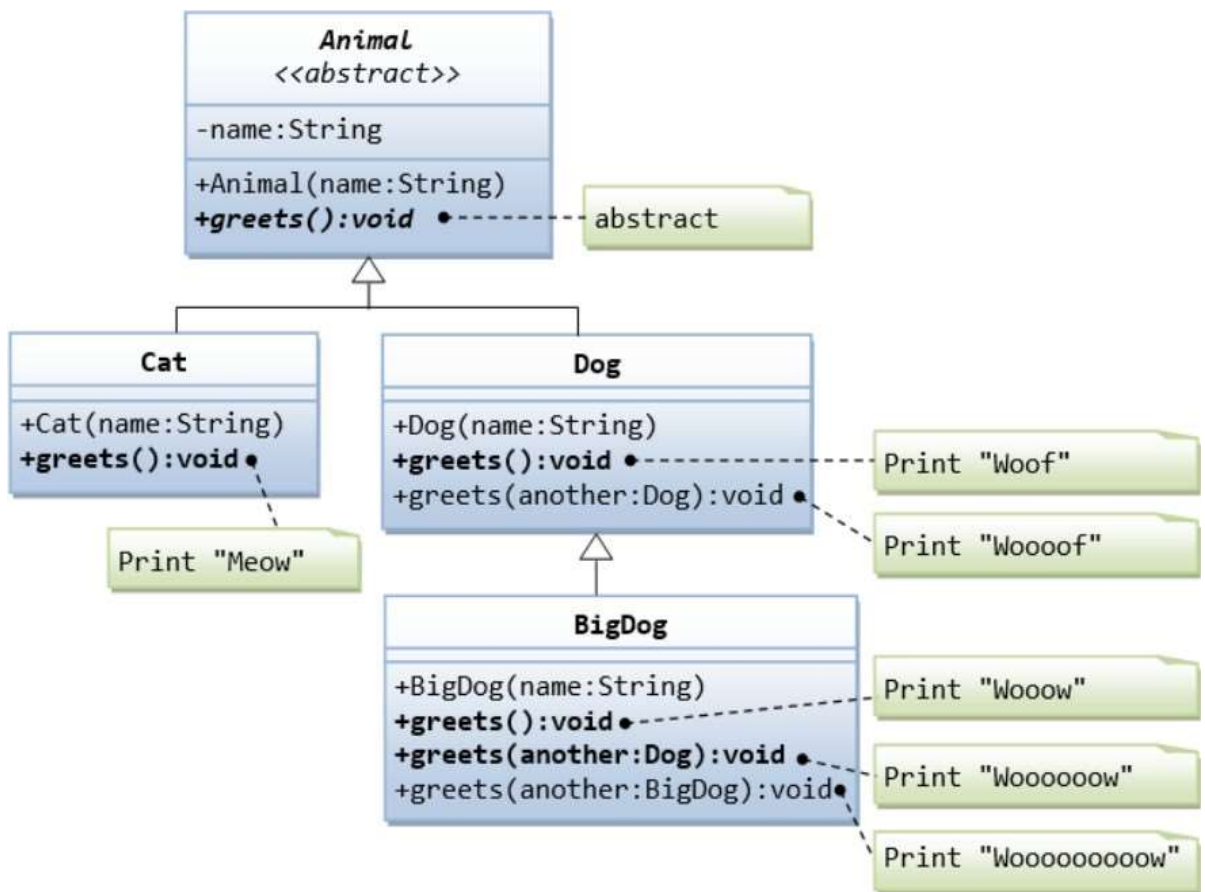# Assignment 8

Task 1 (Abstraction):

Task 2(Polymorphism):

A – Create class Vehicle which contains:
• Vehicle model string
• Registration number string
• Vehicle speed (km/hour) integer
• Fuel capacity (liters) double
• Fuel consumption (liter/km) double
• Parameterized constructor

• **A pure virtual method display()**
method that will display all the information of a vehicle.

B - Create Class Truck which will inherit from Vehicle:
• Data Member: Cargo weight limit (Kilo grams).
• Parameterized constructor.
• Setter and getter.
• **A display() method which will override parent method and print all info.**

C - Create Class Bus which will inherit from Vehicle:
• Data member: Num of passengers int.
• Parameterized constructor.
• Setter and getter.
• **A display() method which will override parent method and print all info.**