**1. Create a Vehicle class with following  variables and methods**

**Instance Variable**

**1.name**

**2.max\_speed with default value 10**

**3.mileage with default value 35**

**Instance method**

**1.seating\_capacity(self,capacity)**

**2.  Create a Bus class that inherits from the Vehicle class. Give the capacity         argument of Bus.seating\_capacity() a default value of 50.**

**(note:- Use the above question code for your parent Vehicle class. You need to use method overriding)**

**3. Define property that should have the same value for every class instance for above Vehicle class.**

**'''**

**1. Create a Vehicle class with following variables and methods**

**Instance Variable**

**1.name**

**2.max\_speed with default value 10**

**3.mileage with default value 35**

**Instance method**

**1.seating\_capacity(self,capacity)**

**2. Create a Bus class that inherits from the Vehicle class. Give the capacity argument of Bus.seating\_capacity() a default value of 50.**

**(note:- Use the above question code for your parent Vehicle class. You need to use method overriding.cls**

**3.Define property that should have the same value for every class instance for above Vehicle class.**

**'''**

class Vehicle:

color="White"

def setprop(self,name,max\_speed=10,mileage=35):

self.name=name

self.maxspeed=max\_speed

self.mileage=mileage

def seating\_capacity(self,capacity):

print('Name of vehicle=',self.name)

print('Maximum Speed of vehicle=',self.maxspeed)

print('Mileage of vehicle=',self.mileage)

print('Seating capacity of vehicle is:',capacity,'seats')

class Bus(Vehicle):

def seating\_capacity(self, capacity=50):

return super().seating\_capacity(capacity)

b=Bus()

b.setprop('Bus')

b.seating\_capacity()

print(f'Color of Bus is {b.color}.')

print(f'Color of Vehicle is {b.color}.')

