Roll number: 355 £ 231 5

Q1 Demonstrate your understanding of the diamond problem by creating a UML diagram and coding it in C++. Your design will categorize vehicles into land vehicles, water vehicles, and amphibious vehicles.

Class Structure:

Base Class: Vehicle

Subclasses: WaterVehicle, LandVehicle

Final Class: Amphibious Vehicle (These are vehicles which work on both land and water)

Vehicle class has model and vehicle id as attributes and a displayInfo method. Water vehicle class has engine power and hull type as attributes and displayInfo method. Land vehicle class has engine power and wheel count as attributes and displayInfo method.

Amphibious vehicle class has protection grade and seating capacity as attributes and displayInfo method.

Create UML for the above mentioned scenario and also code for it.





Programming

to while they