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interface IVehicle {
    // is this vehicle equipped with safety features?
    boolean isSafe();
}

abstract class AbsVehicle implements IVehicle{
    int passengerSeats; // number of seats for passengers
    int odom;           // number of miles on the vehicle odometer

    AbsVehicle(int passengerSeats, int odom){
        this.passengerSeats = passengerSeats;
        this.odom = odom;
    }

    // true if this vehicle can accommodate the given number
    // of passengers
    boolean canTransport (int passengers){
        return this.passengerSeats >= passengers;
    }
}

class Cab extends AbsVehicle{
    String cabCompany; // name of Cab company
    int id;             // unique cab ID

    Cab (String cabCompany, int id, int odom){
        super(4, odom);
        this.cabCompany = cabCompany;
        this.id = id;
    }

    public boolean isSafe(){return false;}
}

class Bus extends AbsVehicle{
    boolean hasAC;

    Bus(boolean hasAC, int seats, int odom){
        super (seats, odom);
        this.hasAC = hasAC;
    }

    public boolean isSafe(){return this.odom < 100000;}
}

```