- Create a class Engine that has methods speedUp(int) and speedDown(int) that
 increase or decrease the speed of the motor (in RPM) with some value. It also contains
 int getTorque().
- Create a class AerialVehicle that contains an inner class Engine.
- The AerialVehicle has methods speedUp() and speedDown() that use engine's methods to speed up or down the car by 1, and the method int getSpeed(). Another two methods increaseHeight() and increaseHeight() increase or decrease the distance from ground of the aerial vehicle by 1000meters at a time.
- Keep the class in a package vehicle.
- Make three classes Boeing747, Fighter and UFO that import and inherit the class
 AerialVehicle. maxSpeed of Fighter and UFO should be 3x(approx. roundoff) and 10x
 of the Boeing747 class respectively. While Boeing747 has an altitude limitation of
 5000meters, Fighter and UFO has twice and 10times of this limitation
- These three classes should reside in a separate directory other than where class AerialVehicle resides.
- Supply proper Driver class to demonstrate **Boeing747**, **Fighter and UFO** classes.

Send your codes to: mnitlabs.apm@gmail.com

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