Lab 12 Exercises:

1. Implement the class below such that it should provide structure with necessary Data Members to all the sub-classes of itself. The object creation of this class is not mandatory.

Book
-name:String -author:Author -price:double -qty:int = 0

2. For the classes of Boat, Car and Airplane ensure that they must implement the functionality of ModeOfTravel() which on call outputs the respective modes of travel.

3. Introduce the functionality of ReFuel() which outputs a string "Refuel complete" on call to the Abstract class you designed for Question 2. This functionality should not be mandatory to have implementation by sub-classes.

4. Implement following class diagram