

Object Oriented Programming

(CS-116)

Graded Assignment 1: Class Diagrams

Submitted To:

Mrs. Syeda Ramish Fatima

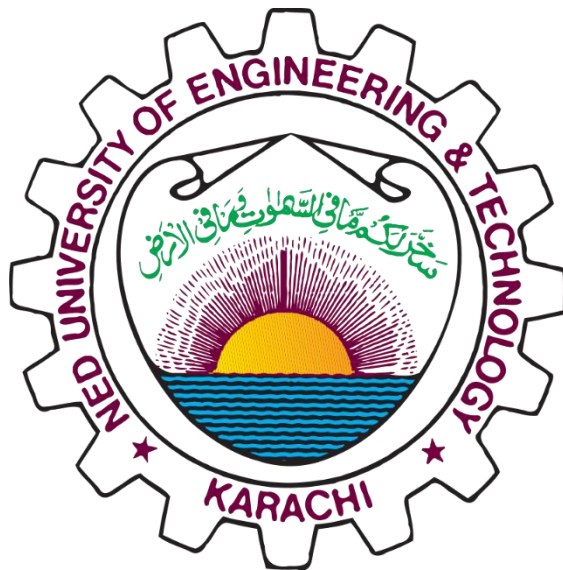
Submitted By:

Muhammad Ashar Khan (CS-24035)







Usman Rasheed Siddiqui (CS-24038)

Submitted On:

21th February 2025

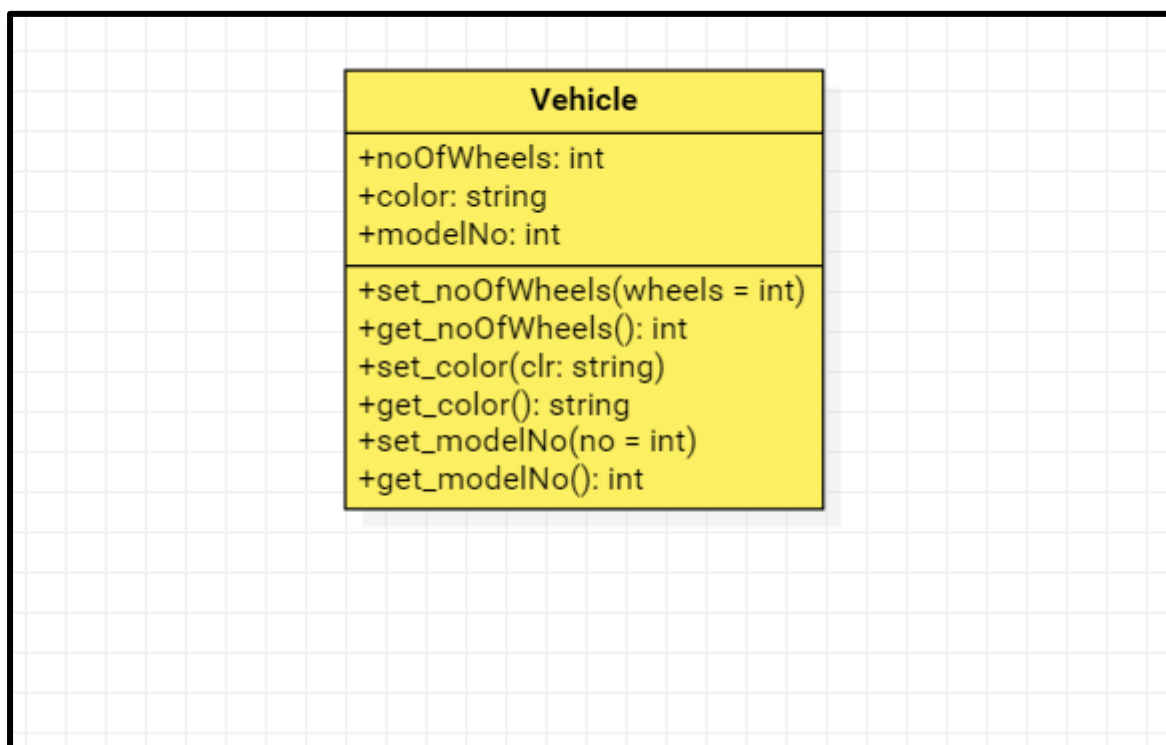


Colors for Association Types in Class Diagram:

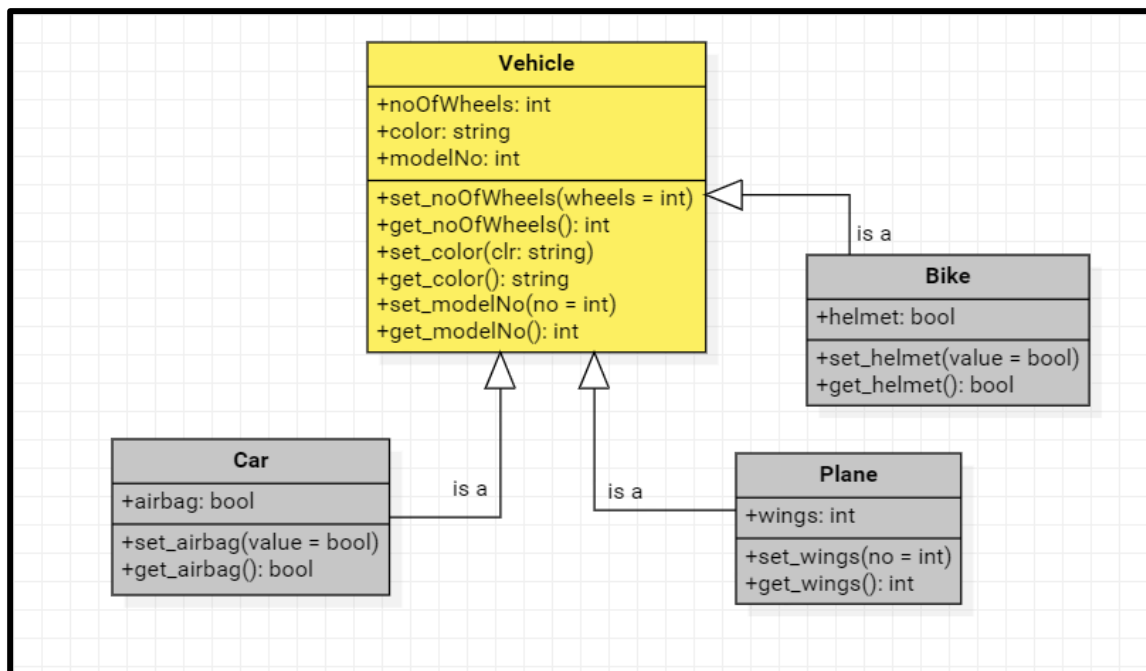
1. #FCEF61 (For Main Class) 
2. #A3E0FF (For Aggregation) 
3. #A3FFA3 (For Composition) 
4. #C6C6C6 (For Generalization) 
5. #FF8282 (For Association) 
6. #79FFE8 (For Multiple Associations on a single class) 

Class Diagram Representation of Problem Scenarios:

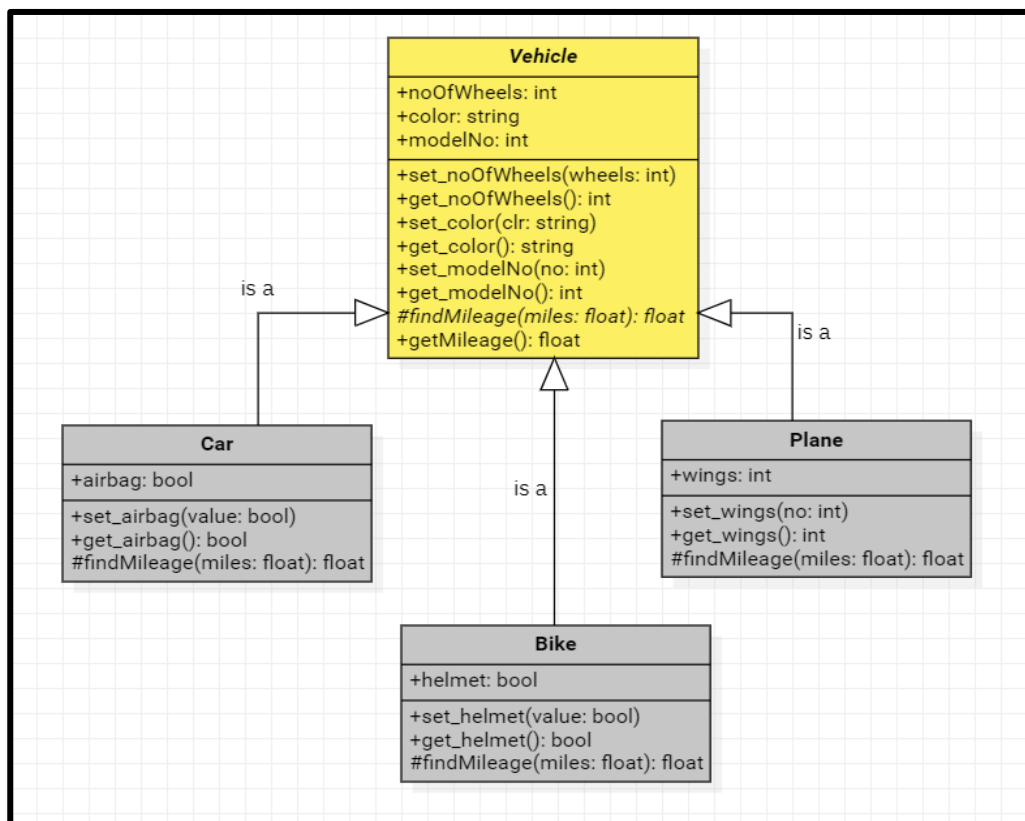
Question 1:



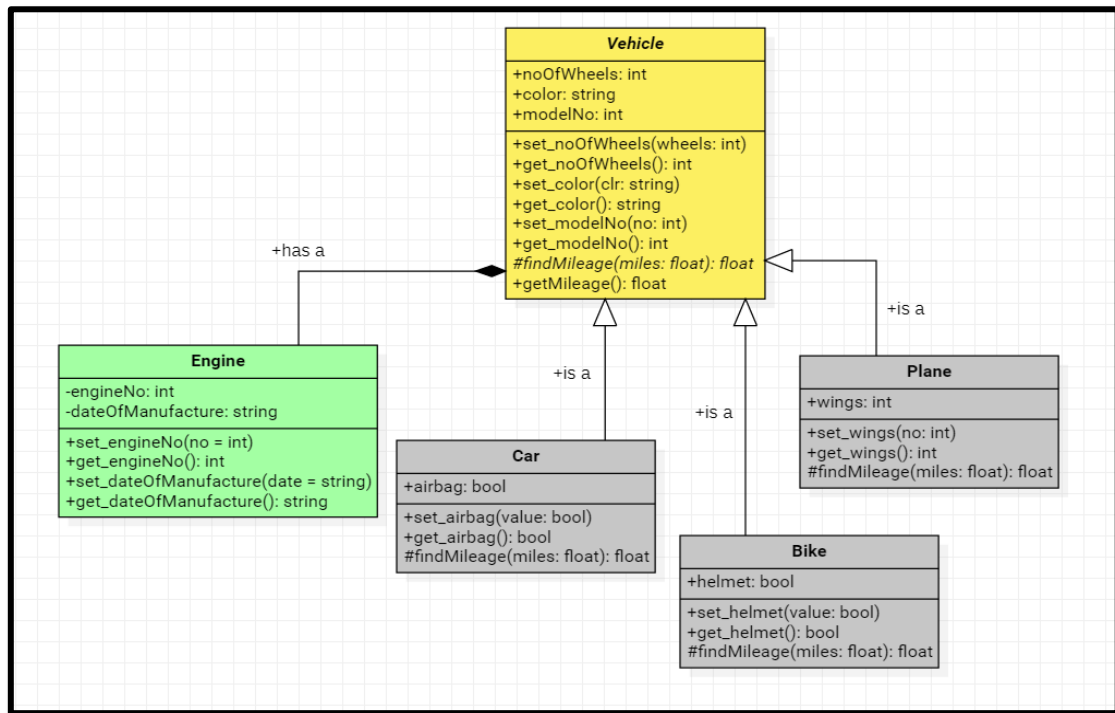
Question 2:



Question 3:

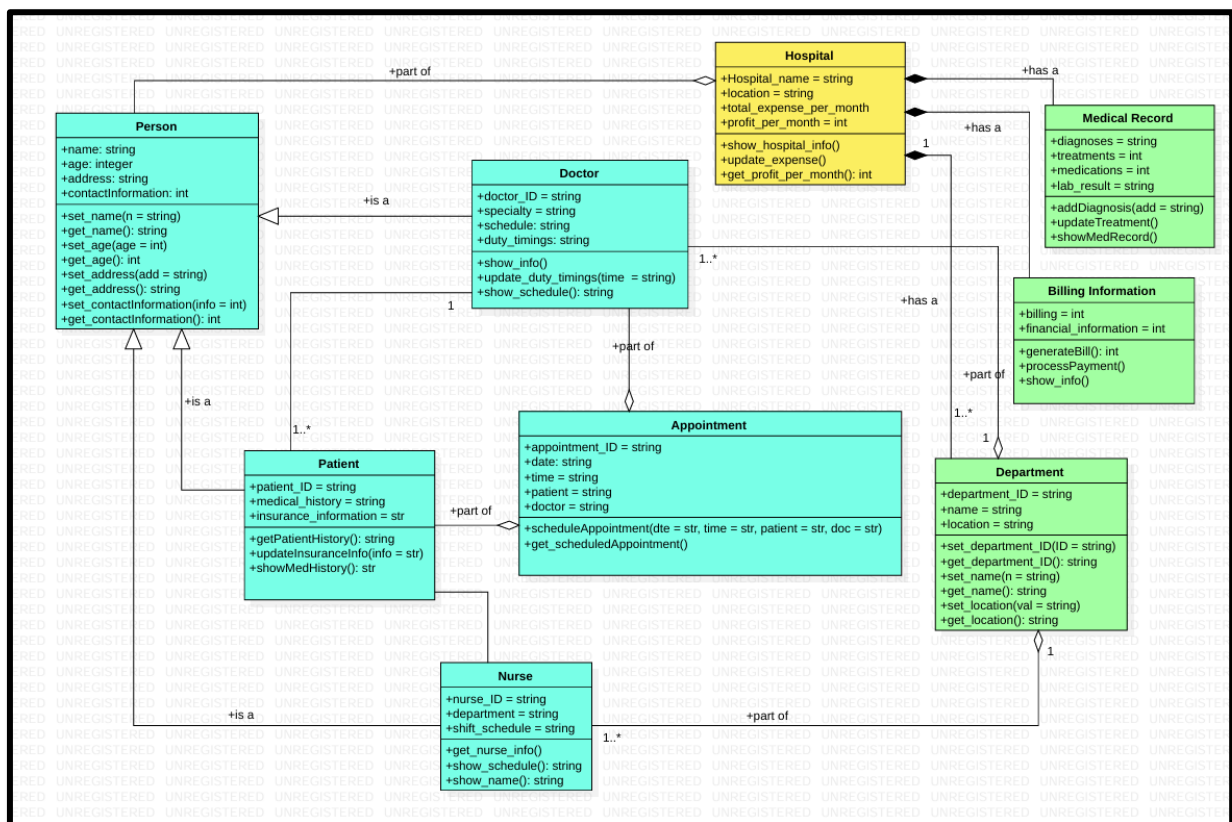


Question 4:



Question 5:

Part (a):



Part (b):

