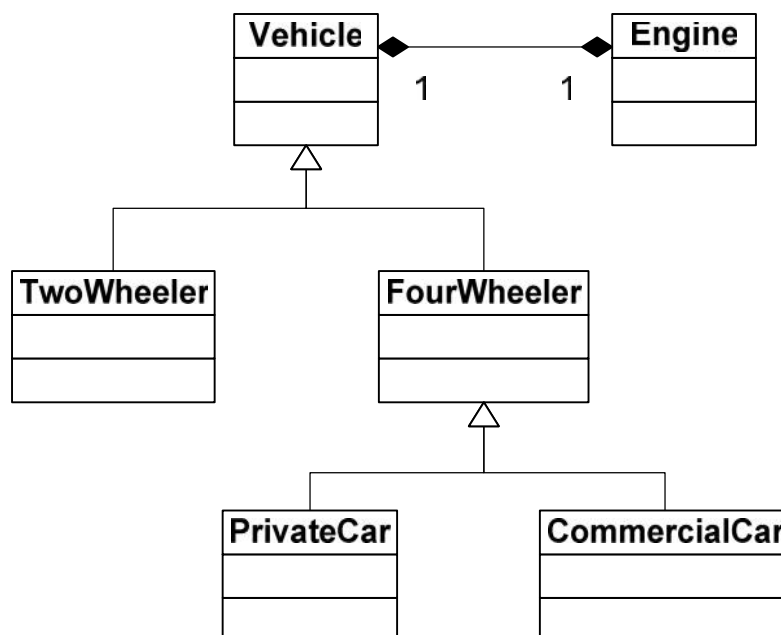# Institute of Engineering and Technology
Ahmedabad University
Semester – II
Section – A & B
Lab Assignment – Session 8

Assignment Date: Thursday, March 26, 2015   **Submission Date: Tuesday, March 31, 2015**

Q1. Modify the banking program of Lab Assignment – Session 7 to store the account details in binary files and allow the user to create as well as delete an account. The user should also be allowed to perform operations on existing accounts through a menu.

Q2. Create a program in **Java** to perform the following operations on text files:
- Count the number of characters
- Count the number of words
- Count the number of lines
- Copy the contents of one file to another
- Rename a file

Q3. Design the following classes in Java by selecting appropriate data members, constructors and member functions:

Ensure to implement the concept of containership for the relationship between "Vehicle" and "FourWheeler" class. Make "Vehicle" and "FourWheeler" classes as abstract. Create a menu driven program to implement the classes for allowing the user to perform various operations including creation, updation, and deletion of records. Use file handling mechanism to store and retrieve objects of various classes in appropriate binary files.

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