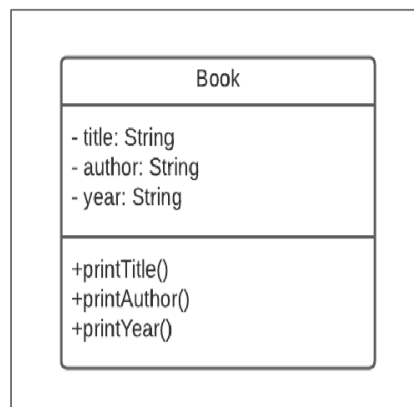




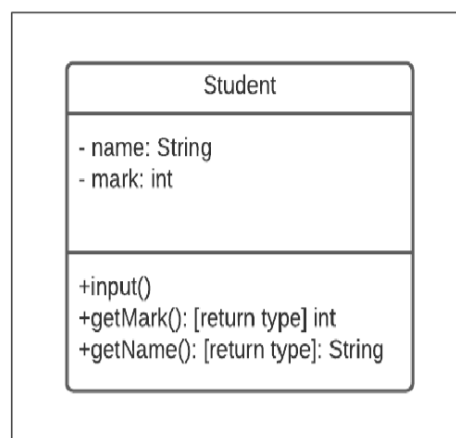
Set of activities to work through during your own time

Note: Consider any issues might arise (use Exception)

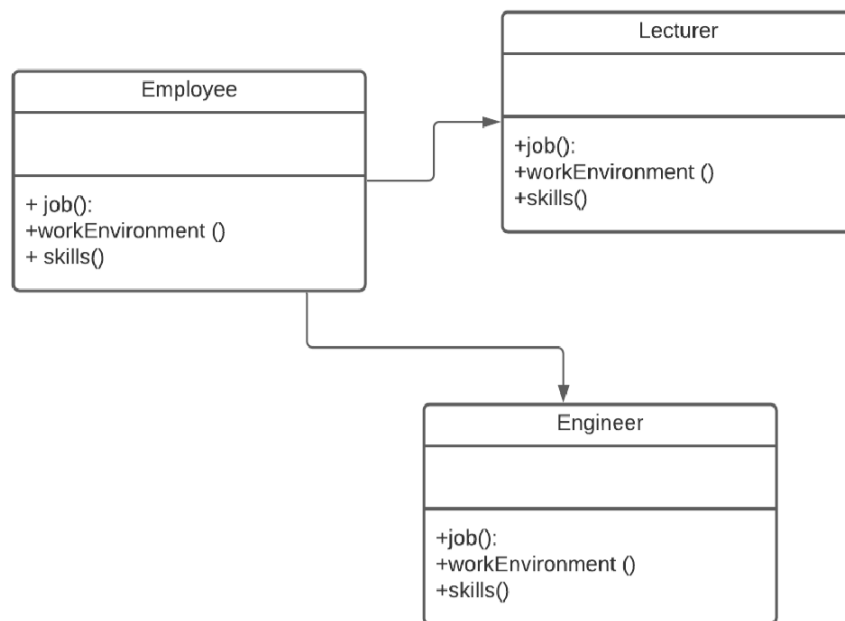
1. write a java program to create a list of Books considering the class Book below; call the related methods from a different class.



2. write a java program to store students in an Array List and then print out names of all students who are passed (the mark should be 40 or more to pass) – enable user input (5-10 students).



3. write a java program to create the classes, Lecturer and Engineer to extend the abstract class and implement its methods as shown the diagram below.



4. Write a java program to create Rectangle and Cube Classes that implement the interface, Shape, that has two abstract methods draw() and howManySides().
5. Write a java program to create Apple, Banana and Tomato Classes to implement the interface, Plant, that has three abstract methods kind(), taste() and colour().
6. Write a java program to call the divide and add methods of the Calculator class that you implemented in previous activity list to add and divide two numbers x and y (user input). Note the call should be performed from a different class e.g. class Main.