

OBJECT ORIENTED PRINCIPLES.

Lab08_Group_A: Abstraction.

On this lab a simple Java application is proposed.

- The folder **src** contains the code of the Java application.
 - o MyMain.java => This class tests the functionality of Lab08_Group_A. This class is provided completed, so you must not modify it.
 - o Driver.java => A Java class modelling the concept of a driver. You must complete this class.
 - o Vehicle.java => A Java class modelling the concept of a vehicle. You must complete this class.
 - o Car.java => A Java class modelling the concept of a car. You must complete this class.
 - o Van.java => A Java class modelling the concept of a van. You must complete this class.
- The folder **javadoc** contains the documentation of the Java application.
 - o MyMain.html => This file contains the description of the class MyMain.java.
 - o Driver.html => This file contains the description of the fields, constructors, get method, set method and extra functionality of the class Driver.java.
 - o Vehicle.html => This file contains the description of the field, constructor, get method and extra functionality of the class Vehicle.java.
 - o Car.html => This file contains the description of the field, constructor, get method and extra functionality of the class Car.java.
 - o Van.html => This file contains the description of the field, constructor, get method and extra functionality of the class Van.java.
- The folder **results** contains the expected results of the Java application.
 - o result.txt => This file contains the output obtained from running the lecturer's solution when running the main method.

Actions:

1. Create a new project using the IDE and import the files MyMain.java, Driver.java, Vehicle.java, Car.java and Van.java into it.
2. Complete the code of the class Driver.java, Vehicle.java, Car.java and Van.java. The fields, constructor, get method and extra functionality must follow the description given by the Javadoc files Driver.html, Vehicle.html, Car.html and Van.html (the files are provided in PDF as well, just in case you cannot see well the html file).
3. Use the result file to compare your results to the expected ones.