Translate the following UML diagram into java code.

- The method displayAll() should print all the attributes of the object. For example, if invoked as a method of the Car class, it has to print model, year, color and gear.

- The constructor Parc (int size) should contain NegativeArraySizeException.

- The method hasManualGear(): Boolean should contain throwing to a general exception and the main should catch it and print error message if the gear attribute contain values other than manual or auto.