**GeometricShape interface**

* Create an interface “GeometricShape” with the following methods:
  + getArea( ) with the return type double
* Create classes “Circle”, “Rectangle”
  + They both implement the GeometricShape interface
  + Circle instantiates with the class attribute radius as an int
  + Rectangle instantiates with the class attributes width & height as ints
* Implement a method for each class that calculates the area and returns the result as a double
* Create an ArrayList of GeometricShapes with 5 GeometricShapes
  + Iterate through the ArrayList using a foreach loop and print the area of each shape

**2 og 2: Comparable interface**

* Create a class called “Stock” with the following attribute:
  + price // int
* Implement the comparable interface to sort based in the size of price
* Create a Class called “Person” with the following class attributes:
  + Name // String
  + Age // int
  + Married // boolean
* Implement the comparable interface that will compare people on the following terms:
  + Name has highest priority
  + Age has second highest
  + Married has lowest priority
* Create 10 Persons
  + Different names, age and marrital status
* Add them to a list
* Print a list using list.toString by overriding the Person class’ toString( ) method
* Use collections.sort on the list of Persons
* Print the result
* Copy the results of you’re your 2 prints (before and after) and mail the results to me: [**nifr@kea.dk**](mailto:nifr@kea.dk) **skriv jeres gruppemedlemmers navne I mailen**