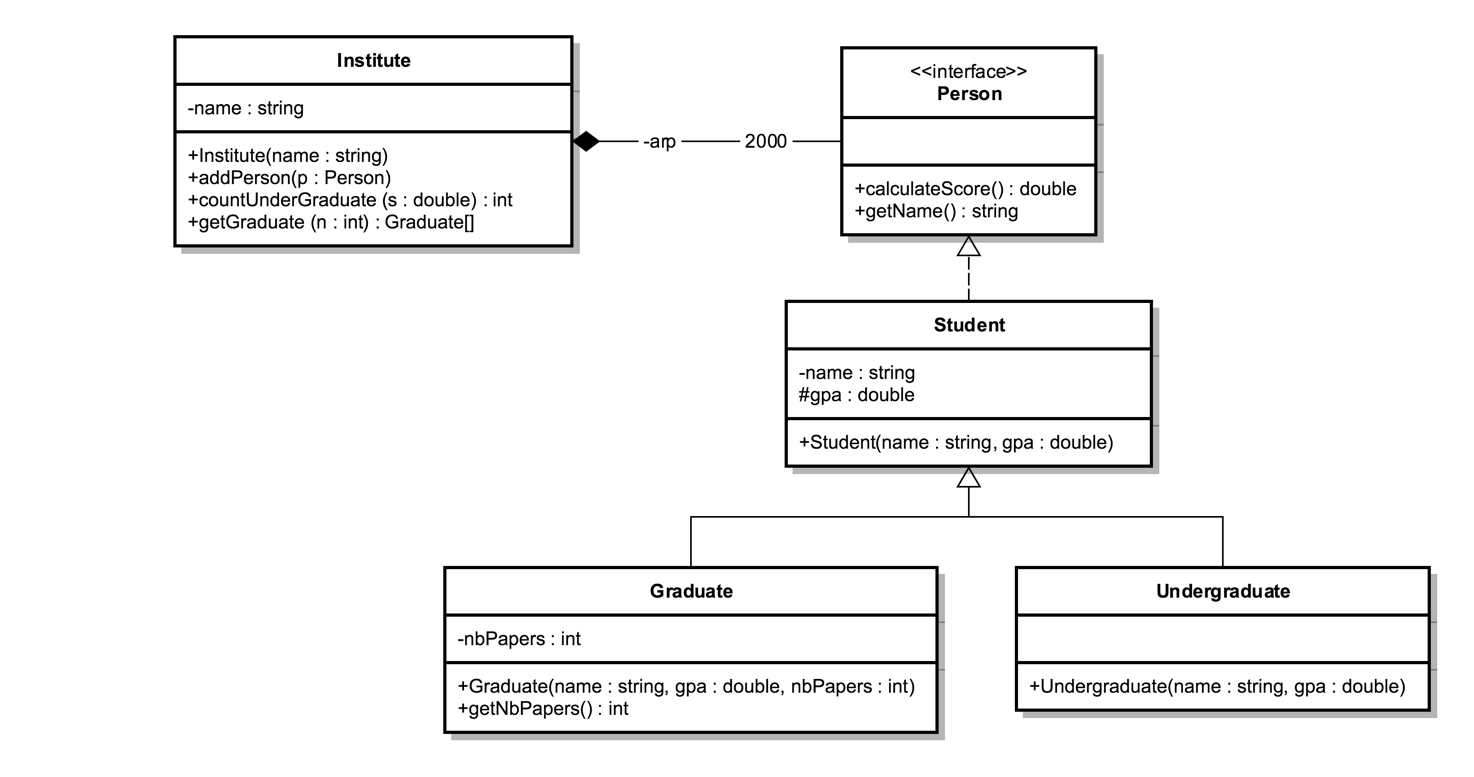
****

***Interface Person:***

* METHODS:
* ***calculateScore ():*** calculated as:
* ***for Graduate*** : Score = nbPapers \* gpa
* ***for UnderGraduate***: Score = gpa \* 3 + 5
* ***getName ():*** returns the ***name*** of the student.

***Student class***

* METHODS:
* ***Student*** ***(name: String, gpa : double):*** constructor.

***Graduate class***

* METHODS:
* ***Graduate (name: String, gpa : double, nbPpapers : int):*** constructor.
* ***getNbPapers():*** getter for attribute ***nbPapers***.

***UnderGraduate class***

* METHODS:
* ***UnderGraduate (name: String, gpa : double)***: constructor.

***Institute class***

* METHODS:
* ***Institute(name: String):*** constructor.
* ***addPerson(p: Person):*** add a person to the institute.
* ***countUnderGraduate (s : double):*** count the number of ***UnderGraduate*** in the institute with score grater or equal to ***s.***
* ***getGraduate (n : int):*** this method will return an array containing all the ***Graduate*** with number of papers greater than ***n***.

**QUESTION**: Translate into Java code **all the classes**