

1.0 Name inverter

For the first assignment you are asked to create a Java app whose scope would be that given a `FirstName LastName` it will return the `LastName, FirstName`. Sounds easy? Let's see if you manage to cover all the test cases. The requirement for this assignment is to create a method which receives a `String` as a parameter and returns another `String` following the upcoming rules:

- Given `null` the method returns `null` (consider this as being a value for a `String` just as any other)
- Given `""` the method returns `""`
- Given `"SingleWord"` the method returns `"SingleWord"`
- Given `"FirstName LastName"` the method returns `"LastName, FirstName"` (perform the inversion and separate the words using the comma character)
- Given `" SingleWord "` the method returns `"SingleWord"` (trim the whitespaces in this case)
- Given `" FirstName LastName "` the method returns `"LastName, FirstName"` (trim the whitespaces and perform the inversion in this case)
- Given `"Mr. FirstName LastName"` the method returns `"LastName, FirstName Mr."` (perform the inversion and place the Mr. title last; please consider **Mrs.** as well)
- Given `"Mr. Phd. FirstName LastName"` the method returns `"LastName, FirstName Mr. Phd."` (because why not having another title)

Consider writing some unit tests as well!

Tips: You will have to do some research on how to perform several actions on strings in Java; like trimming whitespaces or splitting a `String` by a specific character. Don't over-complicate yourself trying to read the input string from the command line.. just hardcoding some values in the main method are just enough for now. Good luck!