



Filoger Comprehensive Python For AI Course 2024

Exercises 21

Deadline: 2024 24 October

Score: 150 + 50

Thursday - 2024 18 October

Question1

Create a class called `MyString` that inherits from the built-in `str` class in Python. Your task is to enhance the functionality of the `str` class by performing the following:

1. **Override the `lower()` method:** Modify this method so that it converts the string to lowercase and appends an exclamation mark (!) at the end.
2. **Add a `count_words()` method:** Implement a new method `count_words()` that returns the number of words in the string. Words are separated by spaces.
3. **Override the `replace()` method:** Modify the `replace()` method so that when replacing a word, the string is also converted to uppercase before performing the replacement.
4. **Override the `__add__()` method:** Modify the string concatenation (+) behavior to automatically insert a space between two `MyString` objects when they are added together.
5. **Override the `__mul__()` method:** Modify the string multiplication (*) behavior so that when a `MyString` object is multiplied by an integer, it repeats the string with a dash (-) separating each repetition.

Did you
know ?

You automatically
lose the chances you don't take.
Trust yourself. You can do this.



Don't give up on your dreams :)