

7621 - LAB 02

Instructions

1. Access the auto-grader at <https://c200.luddy.indiana.edu>
2. Please write the code for the problems in python language
3. The code should be readable with variables named meaningfully
4. Plagiarism is unacceptable and we have ways to find it, so do not do it
5. Don't change the function signature (name of the function and number and types of arguments) provided in this file.
6. Once you pass all the tests on the auto grader, show your work to the teaching assistant

Problem

Question

In a world where numbers had a secret language, there was a magical sheet called Excel. Each number had its own title on this sheet. For example, A was 1, B was 2, and so on, up to Z, which was 26. But the magic didn't stop there! As the numbers increased, they got special titles like AA for 27, AB for 28, and more. Now, imagine you have a number, let's call it `columnNumber`, and you want to find its unique title on the Excel sheet. The question is: Can you discover the mysterious title that corresponds to a given '`columnNumber`'? Unravel the magic and find out!

Test cases

Input: `columnNumber = 30`
Output: "AD"

Input: `columnNumber = 701`
Output: "ZY"

Constraints

- `columnNumber >= 1`

Function signature

```
def convertToTitle(columnNumber: int) -> str:  
    pass
```