

**Problem Set:** Assignment 04  
**Points:** See autograder

**Semester:** Spring 2019

**Date Set:** See autograder  
**Course:** CS118 Prog. Fundamentals

**Due Date:** See autograder

## 1 Autograder Test

Since you are reading this, you have already downloaded and extracted the zip file.

### 1.1 Tasks to do

1. Open the file a04.py and look between the markers.

Task: Write a function, `numbersToText` that takes two parameters, one as a numbers and other one as language. The language might be 'eng' or 'urd' (in future you can add more languages ^). The function will return text according to the parameters after reading the `numbers.txt` file.

Sample Run 1:

```
num=2
```

```
lang='eng' print(str(num) + " in "+ lang + " : "+
```

```
str(numbersToText(num,lang))) output: 2 in eng : two
```

```
num=3
```

```
lang='urd'
```

```
print(str(num) + " in "+ lang + " : "+ str(numbersToText(num,lang))) output: 3 in urd
```

```
: theen
```

2. Note: Read the contents from file, `numbers.txt` and it would be better to convert the contents into a dictionary. Do not change the contents of the file.
3. Hints:
  1. Create an empty dictionary, `dic_numbers`.
  2. Open the file and convert each line into a python dictionary using loop
    - a. strip and then split via fullstop (.) each line and store it in a variable `t`.
    - b. Now split `t[1]` via comma (,) and store it in a variable `t1`.
    - c. Add `t1` to `dic_numbers` at the index `int(t[0])`
4. Now you can call `numbersToText` function
5. I hope this time you will not surf the net or ask anyone for the solution ^
6. Then, run local tests using the following command:  

```
python run.py local
```
7. If all tests succeed, submit your assignment using the following command:  

```
python run.py remote
```
8. It will ask for you email and submission password. You can get both of these from the assignment page where you downloaded the zip file from.

9. Once the submission is successful, you may visit the Autograder front-end to view your submission history.
10. If you face any issue, please send me an email informing me of the error. We're still trying to work out the issues in this new system. So, your help will be greatly appreciated.