Intro2big-data Homework for map and parallel computing

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- Deadline: 04/08(Sat) 0:00

- Format: Submit your homework to the course e-learning platform.

1 Programming Assignment

- (100 points) We have a corpus file "bible.txt." Our task is as follows:

    1. Create a version of bible.txt with words in uppercase. Save it as bible_uppercase.txt.
    2. Count words in the bible_uppercase.txt by using *for* loop.
    3. Count words in the bible_uppercase.txt by using map.
    4. Count words in the bible_uppercase.txt with parallel implementation by using a Python's multiprocessing API.

- Your tools may include but not limited to some useful Python tools such as upper(), split(). And we know that the data structure dict is our good friend.

- Submission: Please submit two files. One is the python3 file (.ipynb) with your student id as the file name and bible_uppercase.txt. Of course, if you have other files necessary for running your code, you can upload them.