

- 1) Create manually two files in the same directory:  
`python_code.py`  
`myfile.txt`
  - Create a Python program that writes the following three lines to the **myfile.txt** file:  
 First line  
 second line  
 third line
  - Write a Python program on `python_code.py` that replace the **second line** with the line: **"sorry! The content of this line has been changed! "**
- 2) Write a function in python to count the number of lines and total words from a text file "story.txt"
- 3) Given a file called **myfile.txt** which contains the following text:  
*"Python is object oriented programming language".*  
 Write a program in Python that transforms the content of the file by writing each word in a separate line.
- 4) We have a data of a company sale's department for a year stored in '.tsv' file.

| month_number | facecream | facewash | toothpaste | bathingsoap | shampoo | moisturizer | total_units | total_profit |
|--------------|-----------|----------|------------|-------------|---------|-------------|-------------|--------------|
| 1            | 2500      | 1500     | 5200       | 9200        | 1200    | 1500        | 21100       | 211000       |
| 2            | 2630      | 1200     | 5100       | 6100        | 2100    | 1200        | 18330       | 183300       |
| 3            | 2140      | 1340     | 4550       | 9550        | 3550    | 1340        | 22470       | 224700       |
| 4            | 3400      | 1130     | 5870       | 8870        | 1870    | 1130        | 22270       | 222700       |
| 5            | 3600      | 1740     | 4560       | 7760        | 1560    | 1740        | 20960       | 209600       |
| 6            | 2760      | 1555     | 4890       | 7490        | 1890    | 1555        | 20140       | 201400       |
| 7            | 2980      | 1120     | 4780       | 8980        | 1780    | 1120        | 29550       | 295500       |
| 8            | 3700      | 1400     | 5860       | 9960        | 2860    | 1400        | 36140       | 361400       |
| 9            | 3540      | 1780     | 6100       | 8100        | 2100    | 1780        | 23400       | 234000       |
| 10           | 1990      | 1890     | 8300       | 10300       | 2300    | 1890        | 26670       | 266700       |
| 11           | 2340      | 2100     | 7300       | 13300       | 2400    | 2100        | 41280       | 412800       |
| 12           | 2900      | 1760     | 7400       | 14400       | 1800    | 1760        | 30020       | 300200       |

Read Total profit of all months and show it using a line plot

Expected Output:

