# Lab: File Handling

This document defines the exercises for the ["Python Advanced" course at @Software University.](https://softuni.bg/trainings/4370/python-advanced-january-2024)

## File Opener

You are given a file called **text.txt** with the following text:

This is some random line

This is the second line

And this is the third one

Create a program that opens the file. If the file is found, print **'File found'**. If the file is not found, print **'File not found'**.

## File Reader

You are given a file called **numbers.txt** with the following content:

1

2

3

4

5

Create a program that reads the numbers from the file. Print on the console the **sum** of those numbers.

## File Writer

Create a program that creates a file called **my\_first\_file.txt**. In that file, write a single line with the content: **'I just created my first file!'**

## File Delete

Create a program that deletes the file you created in the previous task. If you try to delete the file multiple times, print the message: **'File already deleted!'**.

## Word Count

Write a program that reads a list of words from the file **words.txt** and finds how **many times** each of the words is contained in another file **text.txt**. Matching should be **case-insensitive**.

The results should be written into **other text files**. **Sort** the words by frequency in **descending order**.

### Examples

|  |  |  |
| --- | --- | --- |
| **words.txt** | **input.txt** | **output.txt** |
| quick is fault | -I was quick to judge him, but it wasn't his fault.  -Is this some kind of joke?! Is it?  -Quick, hide here…It is safer. | is - 3  quick - 2  fault - 1 |