

Home Work - Day 17

Python File Handling

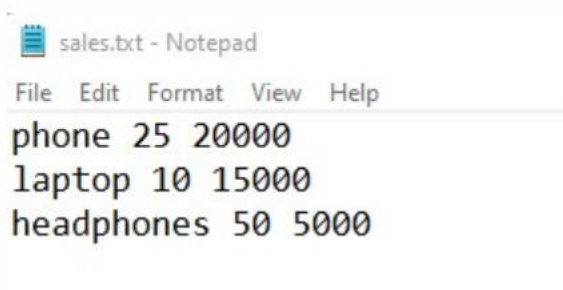
The below list contains the solution to the common questions and challenges you can face working on files and directories in Python.

1. Python Check If File Exists
2. Python Check File Size
3. Python Count Number of Lines in a File
4. Python Search for a String in Text Files
5. Read Specific Lines from a File in Python
6. Delete Lines from a File in Python
7. Writing List to a File in Python
8. Python List Files in a Directory
9. Python Count Number of Files in a Directory
10. Python list Files in Directory with Extension txt
11. Python Remove/Delete Non-Empty Folder
12. Python Get File Creation and Modification DateTime

Exercises on Python File Handling every program should contains with an example:

1. Python Search for a String in Text Files.

Given File:



Output:

```
string exists in a file
```

2. Python Count Number of Files in a Directory

3. Python list Files in Directory with Extension txt

```
['E:/account\\profit.txt', 'E:/account\\sales.txt', 'E:/account\\sample.txt']
```

4. Python List Files in a Directory

To list files of an 'account' folder. The **listdir()** will list files only in the current directory and ignore the subdirectories.

Output:

Here we got three file names.

```
['profit.txt', 'sales.txt', 'sample.txt']
```

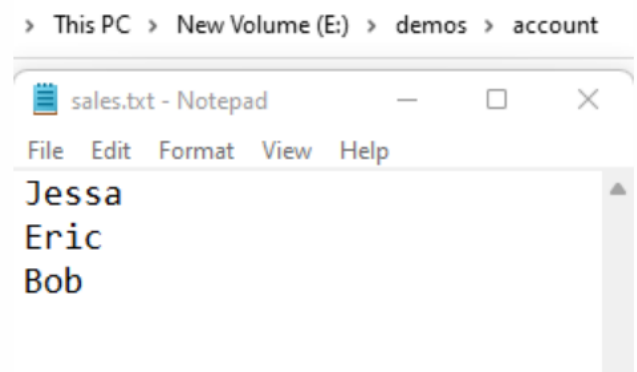
5. Writing List to a File in Python

Note: We used the **\n** in **write()** method to break the lines to write each item on a new line.

Output:

Below content got written in a file.

```
Jessa  
Eric  
Bob
```



Text file after writing Python list into it

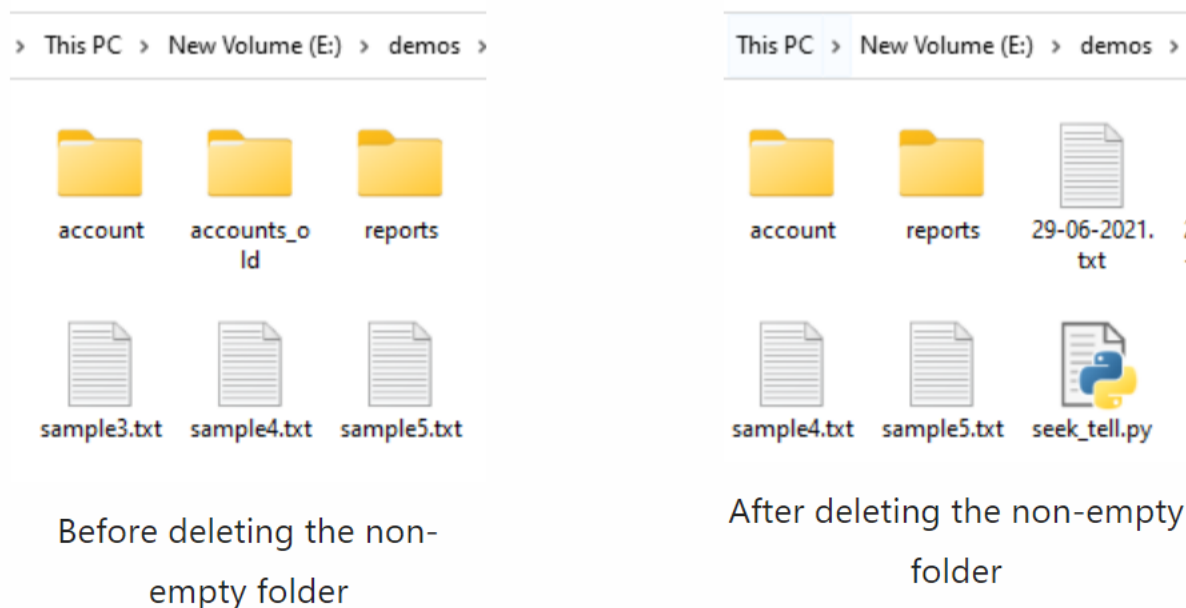
6. Python Check File Size

Output:

```
E:/demos/account/sales.txt size is 10560 bytes
```

7. How to delete a non-empty 'account' folder present in our drive.

Output:



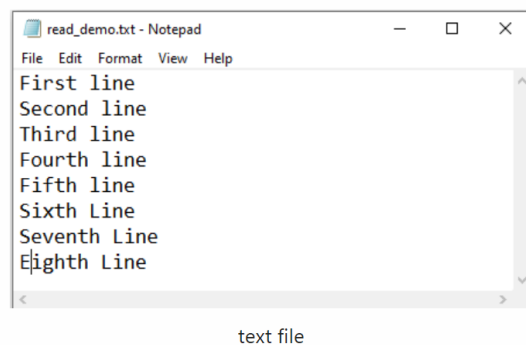
8. Python Get File Creation and Modification DateTime

Output:

```
Modified on: 2021-07-02 16:47:50.791990
Created on: 2021-06-30 17:21:57.914774
```

9. Python Count Number of Lines in a File

Consider a file "read_demo.txt." See an image to view the file's content for reference.



Output:

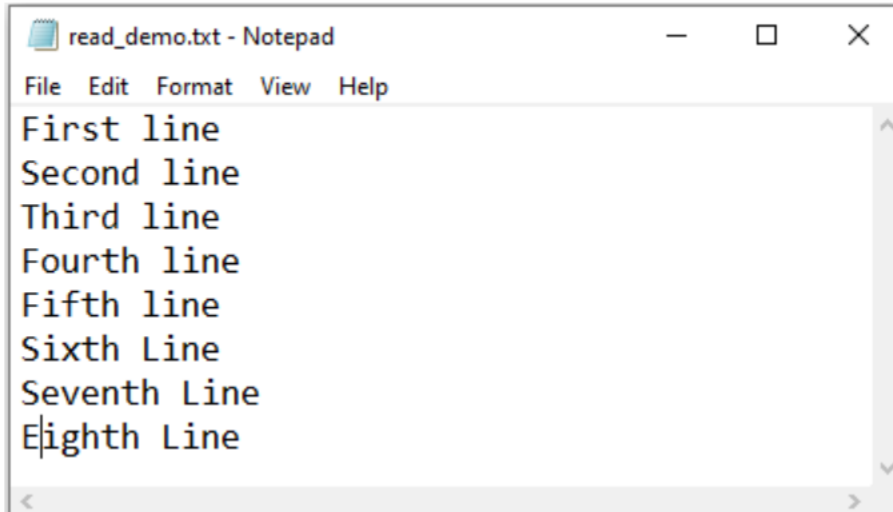
```
Total Lines 8
```

10. Read Specific Lines from a File in Python

The following code shows **how to read a text file by line number** in Python. See the attached file used in the example and an image to show the file's content for reference.

In this example, we are **reading line number 4 and 7** and storing it in a list variable.

Given:



text file

Output:

```
['Fifth line', 'Eighth Line']
```