

```
Lines = ["This is line A\n", "This is line B\n", "This is line C\n"]

[]: 
# Write the strings in the list to text file

with open("Example2.txt", 'w') as writefile:
    for line in Lines:
        print(line)
    writefile.write(line)

We can verify the file is written by reading it and printing out the values:

[]: 
# Verify if writing to file is successfully executed

with open("Example2.txt", 'r') as testwritefile:
    print(testwritefile.read())

We can again append to the file by changing the second parameter to a. This adds the code:

[]: 
# Append the line to the file

with open("Example2.txt", 'a') as testwritefile:
    testwritefile.write("Inis is line O\n")

We can see the results of appending the file:

[]: 
# Verify if the appending is successfully executed

with open("Example2.txt", 'r') as testwritefile:
    print(testwritefile.read())
```

Did you know? IBM Watson Studio lets you build and deploy an Al solution, using the best of open source and IBM software and giving your team a single environment to work in. Learn more here.

Copy a File

Let's copy the file Example2.txt to the file Example3.txt:

[]: # Copy file to another
with open('Example2.txt'_'r') as readfile:
 with open('Example3.txt'_'w') as writefile:
 for line in readfile:
 writefile:write(line)

We can read the file to see if everything works:

[]: # Verify if the copy is successfully executed
with open('Example3.txt','r') as testwritefile:
 print(testwritefile.read())

After reading files, we can also write data into files and save them in different file formats like .txt, .csv, .xls (for excel files) etc. Let's take a look at some examples.

[]: # Writing a file and saving in .txt format
file1 = open("myfile.txt","w")
L = ["This is Delhi \n","This is Peris \n","This is London \n"]
file1.writelines(L)
file1.close()

Now go to the directory to ensure the .txt file exists and contains the summary data that we wrote.

The last exercise!

Congratulations, you have completed your first lesson and hands-on lab in Python. However, there is one more thing you need to do. The Data Science community encourages sharing work. The best way to share and showcase your work is to share it on GitHub. By sharing your notebook on GitHub you are not only building your reputation with fellow data scientists, but you can also show it off when applying for a job. Even though this was your first piece of work, it is never too early to start building good habits. So, please read and follow this article to learn how to share your work.

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Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2020-09-09	2.1	Malika Singla	Added the example for writing a file
2020-08-28	2.0	Lavanya	Moved lab to course repo in GitLab

