

Writing to a file

Week 7

open ()

- Using `open ("file.txt", "w")` in opens the file named `file.txt` for **writing**.
- If `file.txt` does not exist, it will be **created**.
- If `file.txt` already exists, its content will be **erased**, and the file will be treated as a **new empty** file.
- You can write data to the file using methods `write()` and `writelines()`

write()

- `write()` method takes a string as input and appends it to the end of the file's content.

```
write.py - C:/Users/Jouni/OneDrive - LUT University/Desktop/write.py (3.11.9)
File Edit Format Run Options Window Help
# Open a file for writing
file = open("output.txt", "w")

# Write a string to the file
file.write("Hello, world!\n")

# Write another string
file.write("This is another line.\n")

# Close the file
file.close()
```

writelines()

- The writelines() method is used to write a **list of strings** to a file.

```
writelines1.py - C:/Users/Jouni/OneDrive - LUT University/Desktop/writelines1.py (3.11.9)
File Edit Format Run Options Window Help
# Open a file for writing
file = open("output.txt", "w")

# Define a list of strings
list_of_lines = ["Line1", "Line2", "Line3"]

# Write the list of strings to the file
file.writelines(list_of_lines)

# Close the file
file.close()
```

writelines()

- Also with writelines() method one needs to add newline symbols to the end of strings!

```
writelines2.py - C:/Users/Jouni/OneDrive - LUT University/Desktop/writelines2.py (3.11.9)
File Edit Format Run Options Window Help
# Open a file for writing
file = open("output.txt", "w")

# Define a list of strings
list_of_lines = ["Line1\n", "Line2\n", "Line3\n"]

# Write the list of strings to the file
file.writelines(list_of_lines)

# Close the file
file.close()
```