Chapter 23 - Chapter3.3

Theory:

This chapter covers the topic of Chapter3.3.

Code Example:

```
name = " Milan Sharma "
# Detect first double space
print("First double space at index:", name.find("  "))
# Detect first single space
print("First single space at index:", name.find(" "))
# Count spaces
singlespace_count = name.count(" ")
doublespace_count = name.count("  ")
print(f"The number of single spaces is {singlespace_count},\nand double spaces is
{doublespace_count}")
# Remove extra spaces (cleans multiple spaces to single spaces)
cleaned = ' '.join(name.split())
print("Cleaned string:", cleaned)
# ■ Typo in method name: 'replce' → ■ Correct is 'replace'
print(name.replace("  ", " ")) # Creates a new string with double spaces replaced by single
space
# Original string remains unchanged (because strings are immutable in Python)
print("Original string remains unchanged:", name)
# Format letter using escape characters
letter = "Dear Milan,\n\tThis Python course is nice.\nThanks"
print("\nFormatted letter:\n")
print(letter)
```