

Daily Diary - Day 4

Date: June 10, 2024

Activities

String Manipulation

Created and manipulated strings using various methods. Practiced accessing individual characters, slicing, concatenating, and using string methods like `upper()`, `lower()`, `capitalize()`, and `replace()`.

String Reversal and Vowel Counting

Wrote functions to reverse a string and count the number of vowels in a string. Checked if a string is a palindrome and capitalized the first letter of each word in a sentence.

String Formatting

Used f-strings to create formatted strings. Left-aligned a list of strings with a specified width and formatted names into a bulleted list.

Case Folding

Converted a string to lowercase and folded it according to Unicode case folding rules.

String Searching and Counting

Found the index of the first occurrence of a substring. Counted the occurrences of a specific word in a paragraph. Extracted email addresses from a given text.

String Slicing and Concatenation

Extracted the last three words from a sentence. Concatenated two strings with a space in between. Removed leading and trailing whitespaces from a string.

Logical Operators

Explored the AND, OR, and NOT logical operators. Created and printed truth tables for these operators.