I. Basic Case Conversion (Lower to Upper and Vice-Versa)

Test 1: Simple Lowercase to Uppercase:
    Input: "αβγδεζηθικλμνξοπρστυφχψω"
    Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"
    Purpose: Check the basic lowercase to uppercase conversion for all letters.

        Edit/Transformation
        Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language activated)

Test 2: Simple Uppercase to Lowercase:
    Input: "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"
    Expected Output (Lowercase): "αβγδεζηθικλμνξοπρστυφχψω"
    Purpose: Check the basic uppercase to lowercase conversion for all letters.

        Edit/Transformation
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language activated)

Test 3: Mixed Case:
    Input: "ΑβΓδΕζΗθΙκΛμΝξΟπΡσΤυΦχΨω"
    Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"
    Expected Output (Lowercase): "αβγδεζηθικλμνξοπρστυφχψω"
    Purpose: Test mixed input to both all caps and all lowercase.

        Edit/Transformation
        Output(Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language activated)
        Output(lowercase): αβγδεζηθικλμνξοπρστυφχψω (no language activated)

II. Sigma Handling (Final vs. Non-Final)

Test 4: Non-Final Sigma to Uppercase (Simple Word):
    Input: "συνάδελφος"
    Expected Output (Uppercase): "ΣΥΝΑΔΕΛΦΟΣ"
    Purpose: Check the 'σ' to 'Σ' conversion in a word with no final sigma.

        Edit/Transformation
        Output: ΣΥΝΆΔΕΛΦΟΣ (no language activated)

Test 5: Final Sigma to Uppercase in multi-word string:
    Input: "Ένας καλός κόσμος είναι εδώ"
    Expected Output (Uppercase): "ΕΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ"
    Purpose: Test sigma conversion when it is at the end of a word inside a string of words.

        Edit/Transformation
        Output: ΈΝΑΣ ΚΑΛΌΣ ΚΌΣΜΟΣ ΕΙΝΑΙ ΕΔΩ (no language activated)

Test 6: Final Sigma to Lowercase:
    Input: "ΣΑΣ"
    Expected Output (Lowercase): "σας"
    Purpose: Test that uppercase sigma converts back to lowercase final sigma if in the last letter of the word.

        Edit/Transformation
        Output: σας (no language activated)

Test 7: Multiple Sigmas in a Word (Mixed Cases):
    Input: "Συσσωματώσεις"
    Expected Output (Uppercase): "ΣΥΣΣΩΜΑΤΩΣΕΙΣ"
    Expected Output (Lowercase): "συσσωματώσεις"
    Purpose: Verify handling of multiple sigmas, in particular in lowercase.

        Edit/Transformation
        Output(Uppercase): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (no language activated)
        Output(lowerrcase): συσσωματώσεις (no language activated)

Test 8: Final Sigma Before a Punctuation:
    Input: "Ο καιρός ήταν καλός."
    Expected Output (Uppercase): "Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ."
    Purpose: Check that a final sigma will properly change in uppercase even if it is followed by a punctuation

        Edit/Transformation
        Output: Ο ΚΑΙΡΟΣ ΉΤΑΝ ΚΑΛΟΣ. (no language activated)

Test 9: Final Sigma BeforeAfter a Punctuation:

Input: "Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ."
Expected Output (Lowercase): "Ο καιρός ήταν καλός."
Purpose: Check that a final sigma will properly change in uppercase even if it is followed by a punctuation
Updated Tests (with Corrections)

    Edit/Transformation
    Output: ο καιρος ηταν καλος. (no language activated)

III. Accents Handling (Correct - No Changes)

Test 10: Lowercase Accented Vowels to Uppercase (All Accents):
    Input: "άέήίόύώ"
    Expected Output (Uppercase): "ΑΕΗΙΟΥΩ"
    Purpose: Verify accents are removed on uppercase conversion of fully-uppercase text.

        Edit/Transformation
        Output: ΆΈΗΪΌΥΩ (no language activated)

Test 11: Uppercase to Lowercase with Accents:
    Input: "ΑΕΗΙΟΥΩ"
    Expected Output (Lowercase): "αεηιουω"
    Purpose: Verify accents are NOT added back when converting to lowercase.

        Edit/Transformation

		Output: αεηιουω (no language activated)

Test 12: Title Case with Accented First Letter:
    Input: "Άλφα"
    Expected Output (Title Case - First Letter Uppercase): "Άλφα"
    Purpose: Check that title case does not strip out the accent.

        Edit/Transformation
        Output: Άλφα (no language activated)

Test 13: Title case when accented letter is not first:
    Input: "πολύ"
    Expected Output (Title case): "Πολύ"
    Purpose: Check that title case does not add accents in subsequent letters.

        Edit/Transformation
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language activated)

Test 14: Title case when uppercase letter is not the first:
    Input: "ΆΛφα"
    Expected Output (Title Case): "Άλφα"
    Purpose: Check that title case preserves accent if it exists in uppercase and the first letter of the word.

        Edit/Transformation
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language activated)

Test 15: Accented word in sentence:
    Input: "Αυτό είναι το σωστό"
    Expected Output (Title case): "Αυτό Είναι Το Σωστό"
    Purpose: Test that title case properly handles accented first letters when multiple words are present.

        Edit/Transformation
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language activated)

Test 16: Title case with no accents:
    Input: "αλφα"
    Expected Output (Title Case): "Αλφα"
    Purpose: Test that title case does add an accent if it's the standard form of that uppercase letter.

        Edit/Transformation
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language activated)

IV. Dieresis Handling (Revised Again!)

Test 17: Lowercase Dieresis:
    Input: "ϊϋ"
    Expected Output (Uppercase): "ΪΫ"
    Purpose: Verify dieresis is preserved on uppercase conversion.

Edit/Transformation

Output: ΪΫ (no language activated)

Test 18: Accented Dieresis:
 Input: "ΐϋ̈"
 Expected Output (Uppercase): "ΪΫ"
 Purpose: Verify dieresis is preserved and accents are removed on uppercase conversion.

 Edit/Transformation

 Output: ΪΫ (no language activated)

Test 19: Uppercase to Lowercase Accented Dieresis:
 Input: "ΪΫ"
 Expected Output (Lowercase with accents and dieresis): "ϊϋ"
 Purpose: Verify proper conversion and re-introduction of dieresis and accents after going through uppercase

 Edit/Transformation
 Output: ϊϋ (no language activated)

V. Combined Cases, Accents, and Dieresis (Revised)

Test 20: Complex Mixed Input:
 Input: "άβγδΕζηθΙκλμνξόπρσΤυφχψώϊϋῗ"
 Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ"
 Expected Output (Lowercase): "αβγδέζηθικλμνξόπρστυφχψωϊϋῗ"
 Purpose: Test all rules in a single, complex input.

 Edit/Transformation
 Output(Uppercase): ΆΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ̈ (no language activated)
 Output(lowerrcase): άβγδέζηθικλμνξόπρστυφχψώϊϋῗ (no language activated)

Test 21: A sentence with all edge cases included:
 Input: "Ο καλλιτέχνης έδωσε το έργο με στυλ ϊου."
 Expected Output (Uppercase): "Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ."
 Expected Output (Title Case): "Ο Καλλιτέχνης Έδωσε Το Έργο Με Στυλ Ίου."
 Purpose: A real-world sentence that covers most of the cases we are testing.

 Edit/Transformation
 Output(Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΈΔΩΣΕ ΤΟ ΈΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ. (no language activated)
 Output(lowerrcase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου. (no language activated)