**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.**

**ChangeCase**

**Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)**

**Test 2: Simple Uppercase to Lowercase:**

**Input: “ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ”**

**Expected Output (Lowercase): “αβγδεζηθικλμνξοπρστυφχψω”**

**Purpose: Check the basic uppercase to lowercase conversion for all letters.**

**ChangeCase**

**Output: αβγδεζηθικλμνξοπρστυφχψω (language Greek 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.**

**ChangeCase**

**Output(Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)**

**Output(lowerrcase): αβγδεζηθικλμνξοπρστυφχψω (language Greek 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.**

**ChangeCase**

**Output: ΣΥΝΑΔΕΛΦΟΣ (language Greek 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.**

**ChangeCase**

**Output: ΈΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ (language Greek 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.**

**ChangeCase**

**Output: σας (language Greek 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.**

**ChangeCase**

**Output(Uppercase): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (language Greek activated)**

**Output(lowerrcase): συσσωματώσεις (language Greek 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**

**ChangeCase**

**Output: Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ. (language Greek 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)**

**ChangeCase**

**Output: ο καιρος ηταν καλος. (language Greek 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.**

**ChangeCase**

**Output: ΑΕΗΙΟΥΩ (language Greek 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.**

**ChangeCase**

**Output: αεηιουω (language Greek 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.**

**ChangeCase**

**Output: Άλφα (language Greek 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.**

**ChangeCase**

**Output: Πολύ (language Greek 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.**

**ChangeCase**

**Output: Άλφα (language Greek 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.**

**ChangeCase**

**Output: Αυτό Είναι Το Σωστό (language Greek 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.**

**ChangeCase**

**Output: Αλφα (language Greek activated)**

**IV. Dieresis Handling (Revised Again!)**

**Test 17: Lowercase Dieresis:**

**Input: “ϊϋ”**

**Expected Output (Uppercase): “ΪΫ”**

**Purpose: Verify dieresis is preserved on uppercase conversion.**

**ChangeCase**

**Output: ΪΫ (language Greek activated)**

**Test 18: Accented Dieresis:**

**Input: “ΐΰ”**

**Expected Output (Uppercase): “ΪΫ”**

**Purpose: Verify dieresis is preserved and accents are removed on uppercase conversion.**

**ChangeCase**

**Output: ΪΫ (language Greek 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**

**ChangeCase**

**Output: ΪΫ (language Greek activated)**

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

**Test 20: Complex Mixed Input:**

**Input: “άβγδΈζηθΙκλμνξόπρσΤυφχψώϊϋΐΰ”**

**Expected Output (Uppercase): “ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ”**

**Expected Output (Lowercase): “αβγδέζηθικλμνξόπρστυφχψωϊϋΐΰ”**

**Purpose: Test all rules in a single, complex input.**

**ChangeCase**

**Output(Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ (language Greek activated)**

**Output(lowerrcase): άβγδέζηθικλμνξόπρστυφχψώϊϋΐΰ (language Greek 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.**

**ChangeCase**

**Output(Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ. (language Greek activated)**

**Output(lowerrcase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου. (language Greek activated)**