**Problem 1: Temperature Converter**

**Scenario:** You are developing a weather app that needs to display temperatures in both Celsius and Fahrenheit.

**Description:** Write a script that converts a given temperature from Celsius to Fahrenheit.

**Sample Input:**

celsius = 25

**Sample Output:**

fahrenheit = 77.0

**Problem 2: Simple Calculator**

**Scenario:** You are building a simple calculator app that can perform basic arithmetic operations: addition, subtraction, multiplication, and division.

**Description:** Write a script that takes two numbers and an operator (+, -, \*, /) and performs the corresponding arithmetic operation.

**Sample Input:**

num1 = 10

num2 = 5

operator = '+'

**Sample Output:**

result = 15

**Problem 3: Word Count**

**Scenario:** You are creating a text editor that provides basic statistics about the text, such as the number of words.

**Description:** Write a script that counts the number of words in a given string.

**Sample Input:**

text = "Hello world, this is a test."

**Sample Output:**

word\_count = 6

**Problem 4: Even or Odd**

**Scenario:** You are developing a game that requires checking if a number is even or odd.

**Description:** Write a script that checks whether a given number is even or odd.

**Sample Input:**

number = 7

**Sample Output:**

is\_even = False

**Problem 5: Find Maximum**

**Scenario:** You are writing a utility function for a statistics tool that finds the maximum value in a list of numbers.

**Description:** Write a script that finds the maximum value in a given list of numbers.

**Sample Input:**

numbers = [3, 5, 7, 2, 8]

**Sample Output:**

max\_value = 8

**Problem 6: Reverse String**

**Scenario:** You are developing a feature for a messaging app that allows users to reverse the text they have written.

**Description:** Write a script that reverses a given string.

**Sample Input:**

text = "hello"

**Sample Output:**

reversed\_text = "olleh"

**Problem 7: Sum of List**

**Scenario:** You are building a financial app that needs to calculate the total of a list of expenses.

**Description:** Write a script that calculates the sum of all the numbers in a given list.

**Sample Input:**

expenses = [100, 200, 50, 75]

**Sample Output:**

total\_expenses = 425

**Problem 8: Count Vowels**

**Scenario:** You are creating a language learning app that provides statistics on text, such as the number of vowels.

**Description:** Write a script that counts the number of vowels in a given string.

**Sample Input:**

text = "education"

**Sample Output:**

vowel\_count = 5

**Problem 9: Check Prime**

**Scenario:** You are developing a tool for a math class that checks if a number is prime.

**Description:** Write a script that checks whether a given number is a prime number.

**Sample Input:**

number = 11

**Sample Output:**

is\_prime = True

**Problem 10: Remove Duplicates**

**Scenario:** You are working on a data cleaning tool that removes duplicate entries from a list.

**Description:** Write a script that removes duplicate elements from a given list.

**Sample Input:**

items = [1, 2, 2, 3, 4, 4, 5]

**Sample Output:**

unique\_items = [1, 2, 3, 4, 5]