

Practical 7

Task 1: (10 marks)

Write a recursive function that takes a non-negative integer and returns the sum of its digits. The function should repeatedly extract the last digit of the number, add it to the result, and continue with the remaining part of the number.

example:

12345 = 15

246824 = 26

Task 2: (20 marks)

Write a recursive function to check whether a given string is a palindrome. A string is considered a palindrome if it reads the same backwards as forward.

Input	result
madam	true
hello	false
deed	true
label	false