University of Central Punjab

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FACULTY OF INFORMATION TECHNOLOGY

Graded Lab 3

Problem Statement

Write an assembly language program which finds the sum of digits of a number.
For example:

Number is **5119** then sum will be **16**.
Note/Hint: Use repeated subtraction to divide the given number by 10.

WORKING

5119 % 10 => 9

5119/10 => 511

511 % 10 => 1

511/10 => 51

51 % 10 => 1

51 / 10 => 5

5 % 10 => 5

5 / 10 => 0