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| **LAB101 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **C.S.P0032** |
| **LOC:** | **26** |
| **Slot(s):** | **1** |

**Title**

Addition of digits in a natural number.

**Background**

N/A

**Program Specifications**

Implement a program that takes input as a natural number and calculate sum of digits in that natural number.

***Function details:***

1. Function 1: Display a screen to prompt users to input a natural number.

* Users run the program, be prompted to input a decimal number.
* Users input a natural number, perform Function 2.

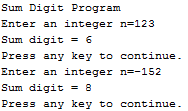
1. Function 2: Calculate sum of digits in the decimal number

* The program calculates sum of digits in the inputted decimal number.
* Perform Function 3.

1. Function 3: Output sum of digits in the inputted decimal number.

After completing Function 3, the program asks users to enter any key to repeat Function 1

***Expectation of User interface:***



**Guidelines**

*\* Students should use the provided dump\_line() function to clear the buffer after invoking the scanf() function (call: dump\_line(stdin)).*