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| **LAB101 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **C.S.P0033** |
| **LOC:** | **37** |
| **Slot(s):** | **1** |

**Title**

Sum of decimal numbers.

**Background**

N/A

**Program Specifications**

Implement a program that allows users to input unlimited numbers of decimals and then calculate sum of all those decimals.

***Function details:***

1. Function 1: Display a screen to prompt users to input the number of decimals, called n, which will be stored in an array.

* Users run the program and prompt users to input the number of decimals, called n, which will be stored in an array.
* After users input the number of decimals, perform Function 2.

1. Function 2: Prompt users to input a number decimals.

* The program asks users to input a number of decimals according to the inputted number of decimal (n).
* Perform Function 3.

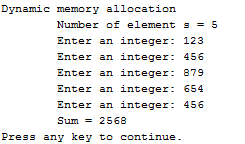
1. Function 3: Sum of all inputted decimals

* The program calculates sum of all inputted decimals.
* Perform Function 4.

1. Function 4: Output sum of inputted decimals.

After completing Function 4, the program should ask users to input any key to repeat the Function 1

***Expectation of User interface:***



**Guidelines**

Use malloc() function to dynamically allocate memory for pointer array

Example:

//accept s

//allocate memory

int\* block\_int = malloc(s);

//input and calc sum

free(block\_int);//free the memory

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