

In-Class Exercise 2/11/2026

Team Name: The Monsters

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Constraints

- both numbers must be in the range of a 32-bit int

Requirements

- input should be two ints separated by a space
- function must be recursively implemented
- function must output a single digit int.

Function Steps

1. Add the two numbers together.
2. Store the lsd in a variable by using the `total % 10`.
3. use integer division to isolate everything besides the lsd `total // 10` and store it in a variable
4. add the lsd and stored other digits in result variable
5. check if result var `// 10 >= 1`
 - if `>= 1`, repeat
 - if `< 1` return result.

UML Diagram

