

Day03 Assignment

1. Ask user to enter an equation containing numbers and operators as below.
2. Write a method which accepts equation string as a parameter and calculates the answer.
3. **Note:** To keep it simple, just use left to right processing, ignoring the BODMAS rule
4. **Suggested Algorithm. (You can use any other logic too)**

- a. Input: `50 + 10 - 20 * 50 / 2`
- b. Extract each section separated by space into separate variables or array.
- c. E.g.

50	+	10	-	20	*	50	/	2
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- d. Loop through the array and perform the calculation 1 at a time.
 - i. $\text{Ans} = 50$
 - ii. $\text{Ans} = \text{Ans} + 10$
 - iii. $\text{Ans} = \text{Ans} - 20$
 - iv. $\text{Ans} = \text{Ans} * 50$
 - v. $\text{Ans} = \text{Ans} / 2$
 - e. At the end of this Ans will have the final answer.
5. **Example:**
Enter the equation: `50 + 10 - 20 * 50 / 2`
The Answer is: 100

Optional Advanced Assignment (This is not mandatory. Only work on this if you finish the above early)

Do the calculation using BODMAS rule