# Module One: Critical Thinking Assignment

## Part 1: Addition and Subtraction

### Pseudocode

1. Start; Display “Find the addition and subtraction of two numbers.”  
2. Prompt user to input first number and store it in num1 variable (convert the input as an int)  
3. Prompt user to input second number and store it in num2 variable (convert the input as an int)  
4. Add num1 and num2 and store in Add variable  
5. Subtract num1 and num2 and store in subtract variable.  
6. Display the result.  
7. Exception Handling if numeric value inputs are invalid.  
8. End

### Source Code

A screenshot of a computer program

AI-generated content may be incorrect.

### Output

A computer screen shot of a computer screen

AI-generated content may be incorrect.

### Exception Handling

A black screen with a black border

AI-generated content may be incorrect.

## Part 2: Multiplication and Division

### Pseudocode

1. Start; Display “Find the multiplication and division of two numbers.”  
2. Prompt user to input first number and store it in num1 variable (convert the input as an int)  
3. Prompt user to input second number and store it in num2 variable (convert the input as an int)  
4. Multiply num1 and num2, store in multiply variable  
5. Divide num1 and num2, store in division\_logic; Include error validation check for divide by zero  
6. Display the results under Multiplication and Division  
7. Exception Handling if numeric value inputs are invalid.  
8. End

### Source Code

A screenshot of a computer program

AI-generated content may be incorrect.

### Output

A black rectangular object with a black border

AI-generated content may be incorrect.

### Error validation for divide by zero

A black screen with white text

AI-generated content may be incorrect.

### Exception Handling A screen shot of a computer AI-generated content may be incorrect.

**Git Repository**  
The source code and files for this assignment are also available on GitHub:  
[Bishal-Shah310/CSC-500: This is for School purpose only.](https://github.com/Bishal-Shah310/CSC-500)

Below is a screenshot of the repository for verification: