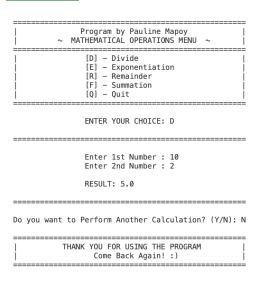
ACTIVITY 05: FUNCTION

Create a program that will simulate the following mathematical operations. Design a menu that will ask the user to enter the choice and provide each functions for each operations. The functions must provide the following validation on each given input. A None value must be return.

- [D] Divide (the second number or denominator must not be equal to zero)
- [E] Exponentiation
- [R] Remainder (the second number or denominator must not be equal to zero)
- [F] Summation (the two numbers are the limits and it must be the second number must be greater than the first number, if the input is 4 and 8 the sum must be 4 + 5 + 6 + 7 + 8).

DIVISION:



DIVISION (INVALID):

Program by Pauline Mapoy ~ MATHEMATICAL OPERATIONS MENU ~
ENTER YOUR CHOICE: D
Enter 1st Number : 10 Enter 2nd Number : 0
!! ERROR !! Division by Zero is Not Allowed

EXPONENTIATION:

Program by Pauline Mapoy ~ MATHEMATICAL OPERATIONS MENU ~
[D] — Divide [E] — Exponentiation R] — Remainder EF] — Summation [Q] — Quit
ENTER YOUR CHOICE: E
Enter 1st Number : 2 Enter 2nd Number : 3 RESULT: 8
Do you want to Perform Another Calculation? (Y/N): N
THANK YOU FOR USING THE PROGRAM Come Back Again!:)

REMAINDER:

Program by Pauline Mapoy ~ MATHEMATICAL OPERATIONS MENU ~
ENTER YOUR CHOICE: R
Enter 1st Number : 10 Enter 2nd Number : 3 RESULT: 1
Do you want to Perform Another Calculation? (Y/N): N
THANK YOU FOR USING THE PROGRAM Come Back Again!:)

REMAINDER (INVALID):

Program by Pauline Mapoy ~ MATHEMATICAL OPERATIONS MENU ~
[D] - Divide [E] - Exponentiation [R] - Remainder [F] - Summation [Q] - Quit

ENTER YOUR CHOICE: R

Enter 1st Number : 10 Enter 2nd Number : 0

!! ERROR !! Division by Zero is Not Allowed

SUMMATION:

	===
Program by Pauline Mapoy	
~ MATHEMATICAL OPERATIONS MENU ~	
	===
[D] - Divide	
[E] — Exponentiation	
[R] — Remainder	
[F] — Summation	
[Q] - Quit	

ENTER YOUR CHOICE: F

Enter 1st Number : 4 Enter 2nd Number : 8

RESULT: 30

Do you want to Perform Another Calculation? (Y/N): N

| THANK YOU FOR USING THE PROGRAM | | Come Back Again!:) |

SUMMATION (INVALID):

Program by Pauline Mapoy ~ MATHEMATICAL OPERATIONS MENU ~
[D] - Divide
ENTER YOUR CHOICE: F
Enter 1st Number : 8 Enter 2nd Number : 4
!! ERROR !! The second number must be greater than or equal to the first number

QUIT PROGRAM:

Program by Pauline Mapoy ~ MATHEMATICAL OPERATIONS MENU ~
[D] — Divide [E] — Exponentiation [R] — Remainder [F] — Summation [Q] — Quit
ENTER YOUR CHOICE: Q
THANK YOU FOR USING THE PROGRAM Come Back Again!:)