**Pre Work Hands on 2**

# Question 1:

Write a program to multiply two arrays and print the result

**Optimization:**

What if both the array lengths are not equal? Figure out a way to solve this problem

# Question 2:

Write a program to print the multiples of N till 10. Take input N from the user.

2 X 1 = 2

2 X 2 = 4

2 X 3 = 6

2 X 4 = 8

2 X 5 = 10

2 X 6 = 12

2 X 7 = 14

2 X 8 = 16

2 X 9 = 18

2 X 10 = 20

# Question 3:

Write a program to take 2 integer values from the user and perform (addition, subtraction, multiplication, division, and modulus) Arithmetic operations and print the result.

Enter value 1:

10

Enter value 2:

5

**Output:**

Addition: 10 + 5 = 15

Subtraction: 10 - 5 = 5

Multiplication: 10 \* 5 = 50

Division: 10/5 = 2

**Optimization:**

Optimize the code and repeat the same process till the user inputs the word **“stop”** in the console.

# Question 4:

Write a program to convert a floating point number into an integer number. And Similarly try such conversions.

# Question 5:

Write a program to print the ASCII values for A to Z as shown below.

A - 65

B - 66

C - 67

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Z - ?