HW10 – Strings

1. Write a program that receives two strings and insert the second string into the desired position of the first string. If the length of the second string is shorter than or equal to that of the first string, flip the second string:

Enter the first string:	computer
Enter the second string:	programming
Enter the position:	1
String Appended:	cprogrammingomputer

Enter the first string:	computer
Enter the second string:	language
Enter the position:	0
String Appended:	egaugnalcomputer

2. Write a program that receives a string, corresponding to a mathematical formula, and prints out the result. The formula includes addition, subtraction, multiplication, and/or division operators. The maximum length of the string is 100:

Enter a formula:	5 * 4 – 6 / 2 + 1 54* 62/– 1+
Output:	18.000000

Enter a formula:	10 – 1 / 4 * 2 – 2
Output:	7.500000

3. Write a program that receives N strings and find the shortest hashtag(#) in the strings. The maximum length of a string is 100:

Enter the number of strings (N):	4
Enter a string:	Its coming #love
Enter a string:	Save lives #EveryonCounts
Enter a string:	My favorite workout day. #fitness #motivation
Enter a string:	All eyes on this showdown @BrayntPark
Shortest hashtag:	#love