Question - 1
Add Two Numbers

SCORE: **60 points**

Pointers

Write a program to add two integers using pointers.
You can assume that the user enters only integer values.

You need to implement a function,
long addTwoNumbers(long *num1, long *num2) to sum two integers
using pointers.

The command-line UI will be as follows:

```
Pointers: Add two numbers
------------------------
Input first number: 2
Input second number: 8


The sum of 2 and 8 is 10.
```

Question - 2
String Reverse

SCORE: **70 points**

Pointers   Strings

Write a program to print a string in reverse order using pointers.
The string can contain any character.

You need to implement the functions,
void stringReverse(char* str) to reverse a given string and
int stringLength(char *str) to find the length of a given string.

The command line UI for the program should be as follows:

```
Pointers: Print a string in reverse order
-----------------------------------------
Enter a string: CO222Lab09


Reverse of the string: 90baL222OC
```

Question - 3
Array Sort

SCORE: **70 points**

⑦ Help

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Pointers   Arrays

Write a program to sort an array of integers.
You can assume the user provides only integers to the program.

You need to implement a function,
void sortArray (int size, int *array) to sort an array using pointers.

The command-line UI should be as follows:

```
Pointers: Sort an array using pointers
-------------------------------------
Enter number of elements: 4
Enter 4 values:
Element-1: 9
Element-2: 0
Element-3: -5
Element-4: 100

Sorted array elements:
Element-1: -5
Element-2: 0
Element-3: 9
Element-4: 100
```