General Qns:

1)Find out how much profit can be made in FOREX by buying and selling a foreign currency for the given local currency prices(For the hour).
Note:Only one transaction can be done in an hour. Only one unit can be bought at a time.

Input:
1)Hourly prices:(1, 5, 2, 3, 7, 6, 4, 5),
Output:
Total profit:10
buying hour: 1, selling hour: 2
buying hour:3 , selling hour: 5
buying hour: 7, selling hour: 8

2)(5, 5, 10, 8, 7, 6, 4, 5,2,6,1,10}
Buy on day 1 and sell on day 3
Buy on day 7 and sell on day 8
Buy on day 9 and sell on day 10
Buy on day 11 and sell on day 12

Total profit earned is 19

2)Two arrays will be given. One array will be larger in size than the other array. Write a program to convert the second array into sub-array of the larger array by rearranging the array elements of the second array. Refer example.

Note: Sub-arrays formed should be continuous in the first array.

Example 1:

Enter the size of big array: 10

Enter the size of small array: 3

Enter the elements of the big array: 2, 5, 3, 8, 9, 1, 0, 5, 8, 3

Enter the elements of the small array: 3, 8 ,5

Sub-arrays formed after matching:

From index 1 to 3: [5,3,8]

From Index 7 to 9: [5,8,3]

Example 2:

Enter the size of big array: 8

Enter the size of small array: 4

Enter the elements of the big array: -1, -4, -5, -6, -8, -10, -20, -2

Enter the elements of the small array: 1, 2, 3, 4

Sub-arrays formed after matching:

No matching sub-array formed.

Example 3:

Enter the size of big array: 10

Enter the size of small array: 3

Enter the elements of the big array: 2, 5, 8, 9, 3, 1, 0, 5, 8, 3

Enter the elements of the small array: 3, 8 ,5

Sub-arrays formed after matching:

From Index 7 to 9: [5,8,3]

3) **In a given array, find the maximum digits in the array and reverse each element such that the number of digits of each element is equal to the maximum digit found in the array.**
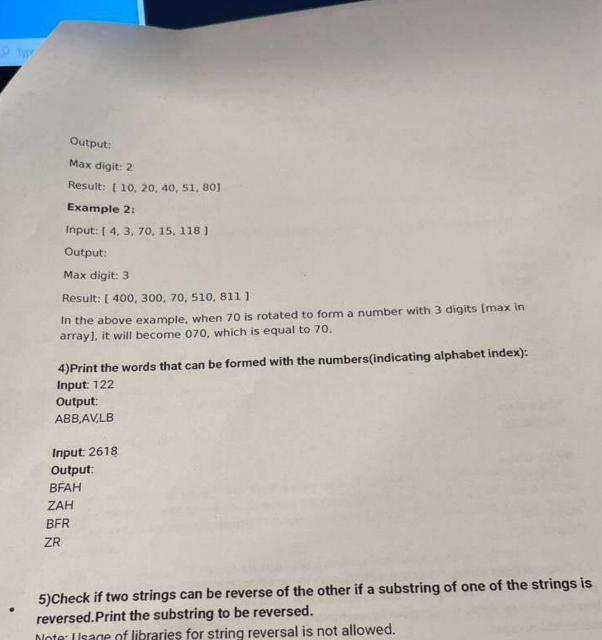
Note: Elements should be of number/int type and not String type

Hint: If the max digit is found to be 4, the number 123 reversed to get 3210, considering 123 to be 0123.

Example 1:

Input:

[1, 2, 4, 15, 8]

Output:

Max digit: 2

Result: [10, 20, 40, 51, 80]

Example 2:

Input: [4, 3, 70, 15, 118]

Output:

Max digit: 3

Result: [400, 300, 70, 510, 811]

In the above example, when 70 is rotated to form a number with 3 digits [max in array], it will become 070, which is equal to 70.

4)Print the words that can be formed with the numbers(indicating alphabet index):
Input: 122
Output:
ABB,AV,LB

Input: 2618
Output:
BFAH
ZAH
BFR
ZR

5)Check if two strings can be reverse of the other if a substring of one of the strings is reversed.Print the substring to be reversed.
Note: Usage of libraries for string reversal is not allowed.

Input
"azdcbeabaf"
"fabaedcbza"
Output:
reversing the substring "dcb" in String 1 will make the strings reverse

Input:
"9012654312"
"2165432109

Output:
reversing the substring "6543" in String 1 will make the strings reverse

6)Find the order of the string in alphabetical order for the given string and letters.

Example:
Input: bca
Output: 4

String order for the given letters is
abc
acb
bac
bca

Input: Rank
Output: 20

Input: Order
Output: 61

Input: String
Output: 598

7) Given an input string, reverse the characters in the string, maintaining the space and other punctuation (other than alpha numeric) in the same location.

Important Note: Solve the problem by **navigating the array only once without using additional arrays**

1)
Input: house ! no: 12
Output: 21one ! su: oh

2)
Input : I brought 3 items : a pen, a notebook, and a scale.
Output : e lacsadn a koobe : t ona, n epasmeti, 3th g uorbl.