Question 1

You are given with a string represented by an array of characters. Write a function to swap two words in the given string. You can assume that the words which need to be swapped appear at-least and at-most once in the input string.

For example –
```
Input  – "one two three four five"
Swap1  – "two"
Swap2  - "four"
Output – "one four three two five"
```

Function Prototype:
```
char[] SwapWords(char[] input, char[] swap1, char[] swap2)
```

Question 2

High vowel words are those words in which number of vowels is greater than or equal to number of consonants in the given word and at least 2 vowels appear together. Write a function to find whether the given word is a high vowel word or not.

Example:
```
Input = "you", Output = true (because 2>=1 and o and u appears
together)
Input = "mine", Output = false (though 2>=2, but no 2 vowels appears
together)
Input = "tongue", Output = true (because 3>=3 and u and e appears
together)
Input = "national", Output = true (because 4>=4 and i and o appears
together)
Input = "computer", Output = false (because 3<5)
```

Question 3

You are given with an array of integer contain number in no particular order. Write a program find the longest possible sequence of consecutive numbers using the numbers from the array.

Example:
```
Input  = [2, 12, 9, 16, 10, 5, 3, 20, 25, 11, 1, 8, 6]
Output = [8, 9, 10, 11, 12]

Input  = [15, 13, 23, 21, 19, 11, 16]
Output = [15, 16]
```

Prototype of the function –
```
int[] LongestSequence(int[] input)
```