

Don't use Inbuilt functions

1. Given an input string and a dictionary of words, find out if the input string can be segmented into a space-separated sequence of dictionary words. See following examples for more details.

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Consider the following dictionary
{ i, like, sam, sung, samsung, mobile, ice,
  cream, icecream, man, go, mango}

Input:  ilike
Output: Yes
The string can be segmented as "i like".

Input:  ilikesamsung
Output: Yes
The string can be segmented as "i like samsung"
or "i like sam sung".<>
```

2. Add two numbers in the given base without converting into base.

Sample Input-1

123 13 4

Sample Output-1

202

Sample Input-2

1010 11001 2

Sample Output-2

100011

3. Given an array and a threshold value find the o/p

i/p {5,8,10,13,6,2}

threshold = 3

o/p count = 17

explanation:

Number parts counts

5 {3,2} 2

8 {3,3,2} 3

10 {3,3,3,1} 4

13 {3,3,3,3,1} 5

6 {3,3} 2

2 {2} 1

4. Find if a String2 is substring of String1. If it is, return the index of the first occurrence.
else return -1.

Sample Input-1

this test123 string123

123

Sample Output-1

8

5] Given an array as input, The condition is if the number is repeated you must add the number and put the next index value to 0. If the number is 0 print it at the last.

Eg: arr[] = { 0, 2, 2, 2, 0, 6, 6, 0, 8}

Output: 4 2 12 8 0 0 0 0 0 Output: 4 2 12 8 0 0 0 0 0 .

6] Print the following pattern

Ex. INPUT : 7

OUTPUT :

```

    1
  1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
```