1. In the given sentence, change the second last letter of each word to uppercase and others as lowercase
2. Input the set of numbers as string and find the average and difference between smallest and largest number

Eg: "1 3 4 2 5"

Avg: 3

Difference: 4

1. Write a function to print a triangle of stars. Depth should be passed as an argument to the function.

Eg: For a triangle with depth 5

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1. Consider a numerology where each letter in the alphabet corresponds to a number.

1 = a, j, s

2 = b, k, t

3 = c, l, u

4 = d, m, v

5 = e, n, w

6 = f, o, x

7 = g, p, y

8 = h, q, z

9 = i, r

Take a name as input. Next, add together all the numbers associated for each letter in the individual's full birth name. Then, the number is reduced until one obtains a single digit.

Example: James Duncan Helpert

James

1+1+4+5+1

= 12

Duncan

4+3+5+3+1+5

= 21

Helpert

8+5+3+7+5+9+2

= 39

James Duncan Helpert

12+21+39

= 72

7+2

= 9

Write a Python code to achieve the same.

1. Input String: "&he&amp hii&io&amp"

Replace all the '&' with '&amp'. If it's already '&amp', that shouldn't be touched.

Expected Output: "&amphe&amp hii&ampio&amp"

1. Find the Maximum consecutive repeating character in string

Given a string, the task is to find the maximum consecutive repeating character in a string.

Note: We do not need to consider the overall count, but the count of repeating that appears in one place.

Examples:

Input : str = "geeekk"

Output : e

Input : str = "aaaabbcbbb"

Output : a

1. Consider an array of numbers of length 'N', that needs to be filled in certain number of Jars.

Find the minimum number of jars required to fill the numbers following the below conditions.

Condition 1: Each jar can contain only 'n' numbers

Condition 2: The difference between any two numbers in the jar should not exceed 'd'