Assignment 3: String Methods

Note: You can use the inbuilt functions, but you should know the logic behind it.

3.1. WAP in Java to input a string and convert it into

i) all upper case/lower case

ii) capital case

Input:

She sells sea shells on the sea shore.

Output:

SHE SELLS SEA SHELLS ON THE SEA SHORE

She Sells Sea Shells On The Sea Shore

3.2. WAP in Java to compare two string and print the larger one.

Input: Enter first string

hello

Enter second string

Output: First string is greater

3.3. WAP in Java to find all the substrings of a given string.

Input: Enter a string to find its sub-strings

Output: Sub-strings of the string "shore" are

sh

shor

shore

ho

hore O

or

ore

re е

3.4. WAP in Java to check if two strings are anagrams or not.

Input: Enter the 2 strings to check Anagram :

Debit card Bad credit

Output: The input strings are Anagram

3.5. WAP in Java to concatenate two strings.

Input: Enter the string1:

she

Enter the string2:

eats

Output: The resulting string is: she eats

3.6. WAP in Java to:

i) reverse a string

ii) check if it's a palindrome

ii) print its length

Input: Enter a string: malayalam Output: Reverse string: malayalam

Is Palindrome: Yes String Length: 9

3.7. WAP in Java to find the frequency of characters in a string and arrange them in an order.

Input: IIT Patna

Output: I-2, a-2, T-1, t-1,P-1, n-1

3.8. WAP in java to reverse the order of words in a string.

Input: Indian Institute of Technology Patna Output: Patna Technology of Institute Indian

3.9. WAP in JAVA to take an input equally spaced chunks of String(if not then append Padding by 'J') and print it into a spiral form

Input: Number of String 3

HELLO

Н

WELCOME

After padding:

HELLOJJ ніјјјј WELCOME

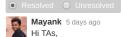
Output: HELLOJJJEMOCLEWHIJJJJJ

3.10. WAP in JAVA to take an input a chunk of strings

Input: Number String 3

HELLO

н WELCOME. Sort the chunks of strings according to length HELLO WELCOME Rotate Clockwise this matrix, due to gravitational force letters changes its positions W Е LH СЕ O L MLH E OI Output: W, E, LH, CE, OL, MLH, EOI 3.11. WAP in JAVA to replace all vowels to \$ character Input: HELLO Output: H\$LL\$ 3.12. Write a menu driven program in JAVA to perform the following task I.) Insert a character in any position of given string. II.)Delete a character in any position of given string. III.) Count the number of vowels and Consonants. 3.13. Write a Java program to take an input string and exchange the first and last word, 2nd with the 2nd last word, so on. And the program would reverse the alphabets of the middle words. Input: Hello World GFG Welcomes You Output: You semocleW GFG dlroW Hello assignment3 Updated 3 days ago by Mayank and 3 others followup discussions for lingering questions and comments



Good questions. Lets number the assignment questions as Assignment_Number.Serial_number. So for this assignment it would be 3.1, 3.2 and so on. The same practice would be continued later on also.

Also keep basic formatting like:

3.11. WAP in JAVA to replace all vowels to \$ character

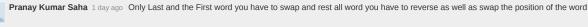
Input: HELLO
Output: H\$LL\$

Once done, make the visibility public



Sir can you please elaborate Q 3.13.



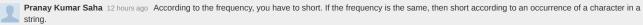


Input: Have a great day
Output: day taerg a Have



Gaurav Kataria 12 hours ago

Sir in 3.7 how is the order determined when the words have same frequency?



In above example 'I' character come first

