String Exercises

1. Write a program to take a string input and display its length and last character.
2. Write a program to take two string as input and check whether they are equal or not (Try
   both equals and ignore case)
3. Write a program that takes a string input and find distinct characters in string and keep it in
   array. Eg : apple The array should contain 'apple' only and print it.
4. Write a program that takes the string input and reverse the string and display it.
5. Write a program to find the number of white spaces used in a string.
6. Write a program to find the number of uppercase and lower case characters in a string.
7. Write a program to find the special characters in the string. Special characters includes !@#$

   %^&*()":>? sur$$$tttt@#$%
8. Write a program to take string input and convert it to uppercase and lowercase with out
   using the String function. [USE ASCII Concept]
9. Write a program to take an array of strings and display the length of strings in an array.
10. Write the program to take an array of string input and sort the array according to length of string both ascending and descending.
11. Write a program to take a string input and sort it alphabetically.
12. Write a program to check if the word 'orange' is present in the "This is orange juice".
13. Write a program to find the first and the last occurence of the letter 'o' and character ',' in "Hello, World".
14. Write a program to find the number of vowels, consonants, digits and white space characters in a string.
15. Write a program to replace all consonants from the string "Hello, have a good day" with your favourite character.
16. Write a program to check if the letter 'e' is present in the word 'Umbrella'.
17. Write a Java program to count how many times the substring 'life' is present anywhere in a given string. Counting can also happen for the substring 'li?e', any character instead of 'f'.
18. Write a Java program to get the last index of a string within a string.

19. Write a Java program to check whether a given string starts with the contents of another string.
20. Write a Java program to create a new string after removing a specified character from a given string except the first and last position.
21. Write a Java program to return a string with the characters of the index position 0,1,2, 5,6,7, ... from a given string.
22. Write a Java program to return a new string using every character of even positions from a given string.
23. Write a Java program to check if a given string contains another string. Return true or false
24. Write a Java program to test if a given string contains only digits. Return true or false.
25. Write a Java program to remove a specified character from a given string.
26. Write a Java program to concatenate a given string with itself a given number of times.
27. Write a Java program to count occurrences of a certain character in a given string.
28. Write a Java program to get the character (Unicode code point) at the given index within the String.
29. Write a Java program to get the character (Unicode code point) before the specified index within the String.
30. Write a Java program to count a number of Unicode code points in the specified text range of a String.
31. Write a Java program to compare two strings lexicographically. Two strings are lexicographically equal if they are the same length and contain the same characters in the same positions.
32. Write a Java program to compare two strings lexicographically, ignoring case differences.
33. Write a Java program to compare a given string to the specified string buffer.
34. Write a Java program to create a new String object with the contents of a character array.
35. Write a Java program to check whether a given string ends with the contents of another string.
36. Write a Java program to check whether two String objects contain the same data.
37. Write a Java program to compare a given string to another string, ignoring case considerations.
38. Write a Java program to print current date and time in the specified format.
    Sample Output:

39. Write a Java program to get the contents of a given string as a byte array.
40. Write a Java program to get the contents of a given string as a character array.
41. Write a Java program to create a unique identifier of a given string.
42. Write a Java program to get the index of all the characters of the alphabet.
43. Write a Java program to get the canonical representation of the string object.
44. Write a Java program to get the last index of a string within a string.
45. Write a Java program to get the length of a given string.
46. Write a Java program to find whether a region in the current string matches a region in another string.
47. Write a Java program to replace a specified character with another character.
48. Write a Java program to replace each substring of a given string that matches the given regular expression with the given replacement.

   Sample string : "The quick brown fox jumps over the lazy dog."

   In the above string replace all the fox with cat.

49. Write a Java program to check whether a given string starts with the contents of another string.
50. Write a Java program to get a substring of a given string between two specified positions.
51. Write a Java program to create a character array containing the contents of a string.
52. Write a Java program to convert all the characters in a string to lowercase.
53. Write a Java program to convert all the characters in a string to uppercase.
54. Write a Java program to trim any leading or trailing whitespace from a given string.
55. Write a Java program to find the longest Palindromic Substring within a string.
56. Write a Java program to find all interleavings (subsets) of given strings.
57. Write a Java program to find the second most frequent character in a given string.
58. Write a Java program to print all permutations of a given string with repetition.
59. Write a Java program to check whether two strings are interleaving of a given string. Assuming that the unique characters in both strings.

60. Write a Java program to find the length of the longest substring of a given string without repeating characters.
61. Write a Java program to print after removing duplicates from a given string.
62. Write a Java program to find the first non repeating character in a string.
63. Write a Java program to divide a string in n equal parts.
64. Write a Java program to remove duplicate characters from a given string present in another given string.
65. Write a Java program to print list items containing all characters of a given word.
66. Write a Java program to find the maximum occurring character in a string.
67. Write a Java program to reverse a string using recursion.
68. Write a Java program to reverse words in a given string.
69. Write a Java program to reverse every word in a string using methods.
70. Write a Java program to rearrange a string so that all same characters become d distance away.
71. Write a Java program to remove "b" and "ac" from a given string.
72. Write a Java program to find the first non-repeating character from a stream of characters.
73. Write a Java program to find the lexicographic rank of a given string.
Sample Output:

The Given String is: BDCA
The Lexicographic rank of the given string is: 12

N.B.: Total possible permutations of BDCA are(lexicographic order) :

ABCD ABDC ACBD ACDB ADBC ADCB BACD BADC BCAD BCDA
BDAC BDCA

1   2   3   4   5   6   7   8   9   10
11   12

The BDCA appears in 12 positions of permutation (lexicographic order).

74. Write a Java program to count and print all the duplicates in the input string.
75. Write a Java program to check if two given strings are rotations of each other.
76. Write a Java program to match two strings where one string contains wildcard characters.

77. Write a Java program to find the smallest window in a string containing all characters of another string.

78. Write a Java program to remove all adjacent duplicates recursively from a given string.

79. Write a Java program to append two given strings such that, if the concatenation creates a double character then omit one of the characters.

80. Write a Java program to create a new string from a given string swapping the last two characters of the given string. The length of the given string must be two or more.