

JAVA LAB WEEK-5 (5/4/2022) Exercises

- 1) Write a java program to do the following operations:
Take the input as Department of Computer Science and Engineering and print the result as DCSE.
- 2) Write a java program to count the number of words in a given string sentence and also reverse the words from it.
- 3) The split method in the String class returns an array of strings consisting of the substrings split by the delimiters. However, the delimiters are not returned. Implement the following new method that returns an array of strings consisting of the substrings split by the matching delimiters, including the matching delimiters.

For example, split("ab#12#453", "#") returns ab, #, 12, #, 453 in an array
- 4) write a method that returns the longest common prefix of two strings. For example, the longest common prefix of distance and disinfection is dis. If the two strings don't have a common prefix, the method returns an empty string. Write a main method that prompts the user to enter two strings and displays their longest common prefix.
- 5) Write a method that returns a new string in which the uppercase letters are changed to lowercase and lowercase letters are changed to uppercase. Write a test program that prompts the user to enter a string and invokes this method, and displays the return value from this method