1) How to find the maximum occurring character in a given String?

Write an efficient Java program to return the maximum occurring character in the input string e.g., if the input string is "Java" then the function should return 'a'.

2) How to remove all duplicates from a given string?

Write a program to remove all the duplicate characters from a given input String e.g. if given String is "Java" then output should be "Java". The second or further occurrence of duplicate should be removed.

3) How to print the duplicate characters from the given String?

Write an efficient Java program to return the duplicate characters from given String, for example if given String is "C++" then your program should print "+" Similarly, if input is "Java and JavaScript" then your program should print "J", "a" and "v". You can ignore cases for finding duplicates.

4) How to remove characters from the first String which are present in the second String?

Write an efficient Java function that takes two strings as arguments and removes the characters from the first string which are present in the second string. For example, if the first String "India is great" and second String is "in" then output should be "da s great"

5) How to check if two strings are rotations of each other?

Write an efficient program to test if two given String is a rotation of each other or not e.g. if given String is "XYZ" and "ZXY" then your function should return true but if the input is "XYZ" and "YXZ" then return false.