1. Develop a Java program to reverse a String with the help of toCharArray() or getChars() methods of String Class.
2. Develop an application that inputs a line of text and outputs the text twice—once in all uppercase letters and once in all lowercase letters without using any inbuilt method.
3. Develop an application that inputs a line of text and a search character and uses String method indexOf to determine the number of occurrences of the character in the text.
4. Develop your own versions of String search methods indexOf and lastIndexOf.
5. Develop a java program to print smallest and biggest possible palindrome word in a given line of text.