import java.util.Scanner;

public class TextAnalysis {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter a long paragraph of text (end input with an empty line):");

StringBuilder paragraph = new StringBuilder();

String line;

while (!(line = sc.nextLine()).isEmpty()) {

paragraph.append(line).append("\n");

}

String text = paragraph.toString();

int numChars = text.length();

int numSpaces = 0;

for (char c : text.toCharArray()) {

if (c == ' ') {

numSpaces++;

}

}

String[] words = text.trim().split("\\s+");

int numWords = text.trim().isEmpty() ? 0 : words.length;

String[] lines = text.split("\n");

int numLines = lines.length;

System.out.println("\n--- Text Analysis ---");

System.out.println("Number of characters: " + numChars);

System.out.println("Number of spaces: " + numSpaces);

System.out.println("Number of words: " + numWords);

System.out.println("Number of lines: " + numLines);

}

}