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import java.util.*;

class Day36 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        String inputString = sc.nextLine();

        String capitalizedString = capitalizeFirstAndLastLetter(inputString);

        System.out.println("Original String: " + inputString);

        System.out.println("Modified String: " + capitalizedString);

    }

    public static String capitalizeFirstAndLastLetter(String input) {

        if (input == null || input.isEmpty()) {

            return input;

        }

        String[] words = input.split(" ");

        StringBuilder result = new StringBuilder();

        for (String word : words) {

            if (word.length() > 1) {

                char firstChar = Character.toUpperCase(word.charAt(0));

                char lastChar = Character.toUpperCase(word.charAt(word.length() - 1));

                // Capitalize the first and last letters, and keep the middle letters as they are.
                String capitalizedWord = firstChar + word.substring(1, word.length() - 1) + lastChar;

                result.append(capitalizedWord).append(" ");

            } else {

                // If the word has only one character, just capitalize it.

                result.append(Character.toUpperCase(word.charAt(0))).append(" ");

            }

        }

    }
}

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// Remove the trailing space and return the result.  
return result.toString().trim();  
}  
}
```