**Name:**

**Advanced Programming in C++**

**Lab Exercise 5.10.2023**

When you have completed these problems, submit your documented source code including a sample output.

1. Write a function that returns all the elements in an array that are strictly greater than their adjacent left and right neighbors.

Examples

miniPeaks([4, 5, 2, 1, 4, 9, 7, 2]) ➞ [5, 9]

// 5 has neighbors 4 and 2, both are less than 5.

miniPeaks([1, 2, 1, 1, 3, 2, 5, 4, 4]) ➞ [2, 3, 5]

miniPeaks([1, 2, 3, 4, 5, 6]) ➞ []

Notes

Do not count boundary numbers, since they only have one left/right neighbor.

If no such numbers exist, return an empty array.

1. Check if a string title is a title string or not. A title string is one which has all the words in the string start with a upper case letter.

Examples

checkTitle("A Mind Boggling Achievement") ➞ true

checkTitle("A Simple C++ Program!") ➞ true

checkTitle("Water is transparent") ➞ false

1. Create a function that determines if the temp of the water is considered boiling or not. temp will be measured in Fahrenheit and Celsius.

Examples

isBoiling("212F") ➞ true

isBoiling("100C") ➞ true

isBoiling("0F") ➞ false

Notes

The boiling point of water is 212F in Fahrenheit and 100C in Celsius.