

CS320- Winter 2021
Python Coding Challenge 1

Write a recursive function **is_reverse** that accepts *two strings as a parameter* and returns **true** if the two strings contain the same sequence of characters as each other but in the opposite order, and **false** otherwise. The function is case-insensitive (ignoring capitalization).

The string could contain characters other than letters, such as numbers, spaces, or other punctuation; you should treat these like any other character. The table below shows some expected outputs for the different method calls

Call	Value Returned
is_reverse("CS320", "023sC")	true
is_reverse("Madam", "MaDAm")	true
is_reverse("Q", "Q")	true
is_reverse("", "")	true
is_reverse("e via n", "N aIv E")	true
is_reverse("Go! Go", "OG !OG")	true
is_reverse("Obama", "McCain")	false
is_reverse("banana", "nanaba")	false
is_reverse("hello!!", "olleh")	false
is_reverse("", "x")	false
is_reverse("madam I", "i m adam")	false
is_reverse("ok", "oko")	false

You **are not allowed to construct any structured objects other than strings** (no list, dictionary, etc.) and **you may not use any loops to solve this problem; you must use recursion.**

If you like, you may declare other functions to help you solve this problem, subject to the previous rules.